

STANDARD UTILITY AGREEMENT

U-0037: **ZAYO GROUP, LLC**

County: Fort Bend

Highway: FM 1093 Westpark Extension Phase II

This Agreement by and between the County of Fort Bend, Texas, ("**County**"), and Zayo Group LLC, ("**Utility**"), acting by and through its duly authorized representative, shall be effective on the date of approval and execution by and on behalf of the **County**.

WHEREAS, the **County** has deemed it necessary to make certain highway improvements as designated by the **County** and approved by the Federal Highway Administration within the limits of the highway as indicated above;

WHEREAS, the proposed highway improvements will necessitate the adjustment, removal, and/or relocation of certain facilities of **Utility** as indicated in the following statement of work: Relocation of assets into a predesignated corridor according to the following schedule:

Start Date – April 2, 2018

Completion Date – May 31, 2018

and more specifically shown in **Utility's** Plans and Specifications, Estimated Costs, and Schedule which are attached hereto as Exhibits "A," "B" and "C."

WHEREAS, Subchapter E of Chapter 203 of the Texas Transportation Code regarding the relocation of utilities does not apply to this Project, but the County wishes to negotiate in good faith and enter into agreements with all affected utility companies for the participation in the costs of the adjustment, removal, and/or relocation of certain facilities as authorized under such subchapter.

WHEREAS, the **County**, upon receipt of evidence it deems sufficient, acknowledges **Utility's** interest in certain lands and/or facilities and determined it is appropriate to enter an agreement with **Utility** to govern the terms for participation in the costs of the adjustment, removal, and relocation of certain of its facilities located upon the lands as indicated in the statement of work above.


NOW, THEREFORE, BE IT AGREED:

The **County** will pay to **Utility** fifty percent (50%) of the documented actual costs incurred for relocation of the utility in adjustment, removal, and/or relocation of **Utility's** facilities up to the amount said costs may be eligible for **County** participation.

All conduct under this agreement, including but not limited to the adjustment, removal and relocation of the facility, the development and reimbursement of costs, any environmental requirements, and retention of records will be in accordance with all applicable federal and state laws, rules and regulations, including, without limitation, the Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act, 42 U.S.C. §§ 4601, et seq., the National Environmental Policy Act, 42 U.S.C. §§ 4231, et seq., the Buy America provisions of 23 U.S.C. § 313 and 23 CFR 635.410, the Utility Relocations, Adjustments, and Reimbursements provisions of 23 CFR 645, Subpart A, and with the Utility Accommodation provisions of 23 CFR 645, Subpart B. **Utility** shall supply, upon request by the **County**, proof of compliance with the aforementioned laws, rules and regulations prior to the commencement of construction.

The **Utility** agrees to develop relocation or adjustment costs by accumulating actual direct and related indirect costs in accordance with a work order accounting procedure prescribed by **County**, or may, with the **County's** approval, accumulate actual direct and related indirect costs in accordance with an established accounting procedure developed by **Utility**. Bills for work hereunder will be submitted to **County** not later than 90 days after completion of the work.

 9/17/18
Date
Fort Bend County

 9/15/18
Initial Date
Zayo Group, LLC

When requested, the **County** will make intermediate payments at not less than monthly intervals to **Utility** when properly billed and such payments will not exceed 90 percent (90%) of the eligible cost as shown in each such billing. Intermediate payments shall not be construed as final payment for any items included in the intermediate payment.

Upon execution of this agreement by both parties hereto, the **County** will, by written notice, authorize the **Utility** to perform such work diligently, and to conclude said adjustment, removal, or relocation by the stated completion date. The completion date shall be extended for delays caused by events outside **Utility's** control, including an event of Force Majeure, which shall include a strike, war or act of war (whether an actual declaration of war is made or not), insurrection, riot, act of public enemy, accident, fire, flood or other act of God, sabotage, or other events, interference by the **County** or any other party with **Utility's** ability to proceed with the relocation, or any other event in which **Utility** has exercised all due care in the prevention thereof so that the causes or other events are beyond the control and without the fault or negligence of **Utility**.

However, for any failure by **Utility** to conclude said adjustment, removal, or relocation by the stated completion date not caused by events outside **Utility's** control, the **County** may elect to: (1) reduce the reimbursement to **Utility** by one percent (1%) each day delayed; or (2) relocate the facility at the sole cost and expense of **Utility**.

The **County** will, upon satisfactory completion of the relocation or adjustment and upon receipt of final billing prepared in an approved form and manner, make payment in the amount of 90 percent (90%) of the eligible costs as shown in the final billing prior to audit and after such audit shall make an additional final payment totaling the reimbursement amount found eligible for **County** reimbursement.

Unless an item below is stricken and initialed by the **County** and **Utility**, this agreement in its entirety consists of the following:

1. Standard Utility Agreement;
2. Plans & Specifications (Attachment "A");
3. Utility Construction Cost Estimate (Attachment "B");
4. Utility's Schedule of Work and Estimated Date of Completion (Attachment "C").

All attachments are included herein as if fully set forth. In the event it is determined that a substantial change from the statement of work contained in this agreement is required, reimbursement therefore shall be limited to costs covered by a modification or amendment of this agreement or a written change or extra work order approved by the **County** and **Utility**.

This agreement is subject to cancellation by the **County** at any time up to the date that work under this agreement has been authorized and that such cancellation will not create any liability on the part of the **County**. However, the **County** will review and reimburse the **Utility** for eligible costs incurred by the **Utility** in preparation of this Agreement.

The **Utility** acknowledges to and for the benefit of the **County** and State of Texas that it understands the project under this Agreement is eligible for Federal-aid highway funds and as such, requires all of the iron, steel, and manufactured goods used in the project be produced in the United States ("Buy American Requirements") including iron, steel, and manufactured goods provided by the **Utility** pursuant to this Agreement.

The State Auditor may conduct an audit or investigation of any entity receiving funds from the **County** directly under this contract or indirectly through a subcontract under this contract. Acceptance of funds directly under this contract or indirectly through a subcontract under this contract acts as acceptance of the authority of the State Auditor, under the direction of the Legislative Audit Committee, to conduct an audit or investigation in connection with those funds. An entity that is the subject of an audit or investigation must provide the state auditor with access to any information the state auditor considers relevant to the investigation or audit.

The **Utility** by execution of this agreement does not waive any of the rights which **Utility** may have within the limits of the law.

 9/17/18
Date
Fort Bend County

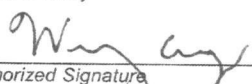
WC 4/5/18
Initial Date
Zayo Group, LLC

It is expressly understood that the **Utility** conducts the adjustment, removal, or relocation at its own risk, and that Fort Bend County, Texas makes no warranties or representations regarding the existence or location of utilities currently within its right of way.

The signatories to this agreement warrant that each has the authority to enter into this agreement on behalf of the party represented.

UTILITY

Utility: Zayo Group, LLC
Name of Utility

By: 
Authorized Signature

Wendy Cassity
Print or Type Name

Title: General Counsel

Date: April 5, 2018

 9/17/18
Date
Fort Bend County

WC 4/5/18
Initial Date
Zayo Group, LLC

EXECUTION RECOMMENDED:

COUNTY

By:

Robert E. Hebert
Robert E. Hebert, County Judge

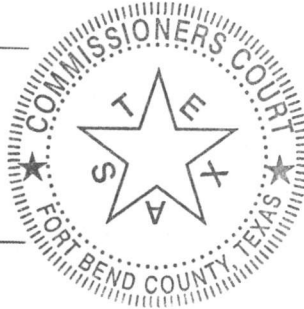
Date:

9-25-2018

ATTEST:

By:

Laura Richard
Laura Richard, County Clerk



APPROVED:

By:

Richard W. Stolleis
Richard W. Stolleis, P.E., County Engineer

APPROVED AS TO LEGAL FORM:

By:

Marcus D. Spencer
Marcus D. Spencer, First Assistant County Attorney

AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$ 158,621.⁴⁰ to accomplish and pay the obligation of Fort Bend County under this contract.

Robert Ed Sturdivant, County Auditor

Robert Ed Sturdivant

FWB 9/17/18
Date
Fort Bend County

WC
Initial

4/5/18
Date

Zayo Group, LLC

Exhibit A

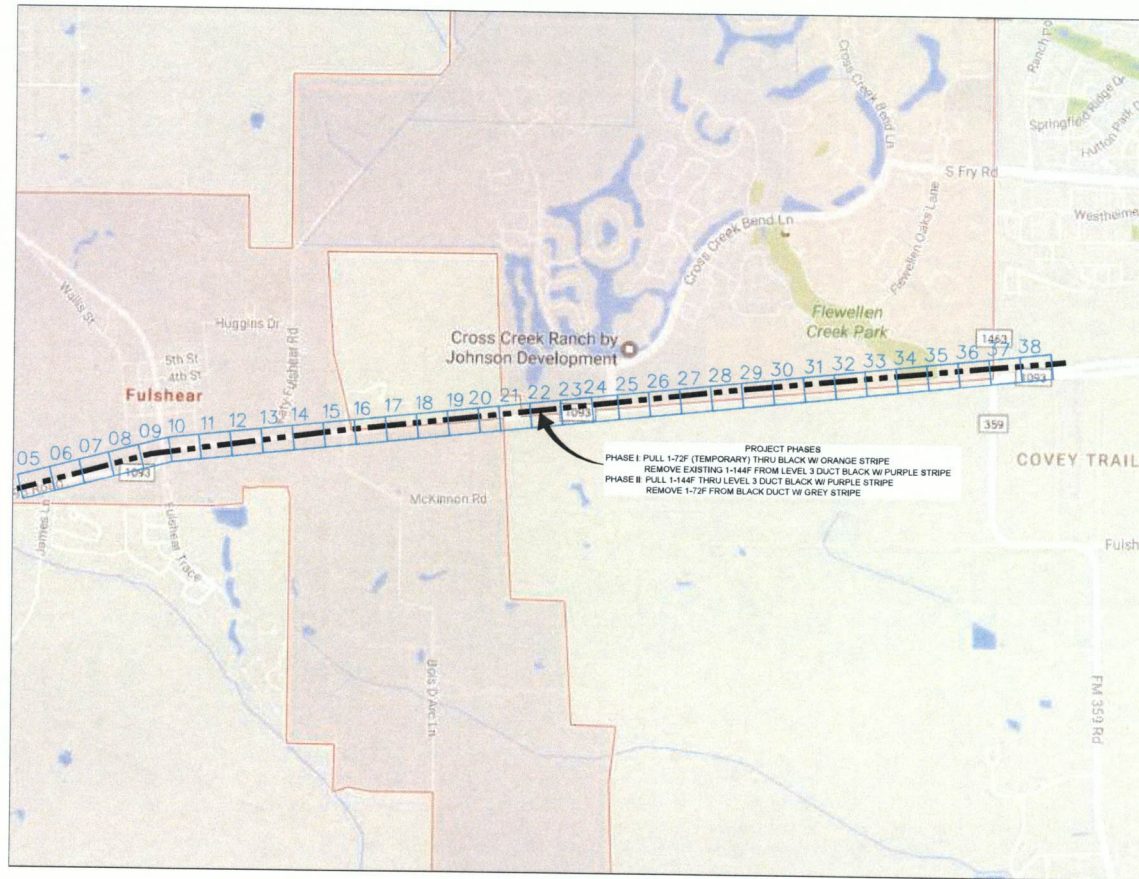
Plans & Specifications

WS 9/17/18
Date
Fort Bend County

WC 4/5/18
Initial Date
Zayo Group, LLC

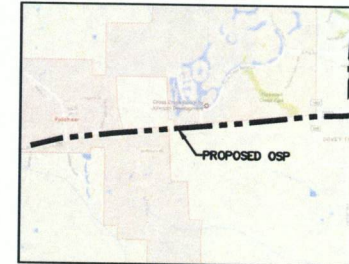
ADDRESS: FM 1093 WESTPARK, FULSHEAR, TX

PROJECT NAME: FM 1093 WESTPARK EXTENSION PHASE II

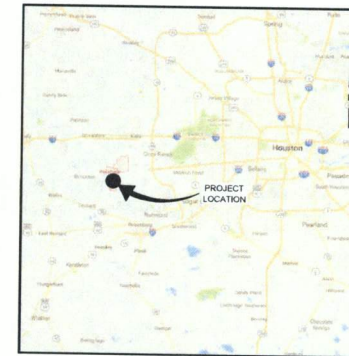


SITE LOCATION

MAP NOT TO SCALE



LOCATION MAP



VICINITY MAP

CONTACTS

LEVEL (3) COMMUNICATIONS
KEITH HALL P: 281-618-3976
P: 832-309-5344

ENGINEER:
GOLDEN FIELD SERVICES, INC.
ERIK BAKER P: 903-357-3282

SITE INDEX

- 1 - COVER SHEET/ SITE LOCATION
- 2 - LEGEND
- 3 - GENERAL NOTES 1
- 4 - GENERAL NOTES 2
- 5-38 - OUTSIDE PLANT CONSTRUCTION
- 39-40 - CONSTRUCTION TYPICALS
- 41 - HANDHOLE TYPICALS
- 42 - CABLE PULL SCHEMATIC
- 43 - RAKE OFF TABLES

OSP SCOPE OF WORK:

CONTRACTOR IS TO CAPTURE EXISTING 8-1.5" HDPE & SPLICE INTO EXISTING 144F. PLACE NEW HH FOR LEVEL(3), FIBER LIGHT & CYRUS ONE LEAVING COIL IN NEW LEVEL(3) HH FOR SPLICE. APPROXIMATELY 1.915' WEST OF HARRIS ST. CONTRACTOR IS TO END PROJECT AT EXISTING LEVEL (3) HH & SPLICE INTO EXISTING 1-144F. APPROXIMATELY 60' EAST OF FM 1463

PHASE I: CONTRACTOR IS TO PULL 1-72F (TEMPORARY) THRU BLACK W/ ORANGE STRIPE DUCT. CONTRACTOR IS TO THEN REMOVE EXISTING 1-144F CABLE FROM LEVEL (3) DUCT BLACK W/ PURPLE STRIPE.

PHASE II: CONTRACTOR IS TO PULL 1-144F IN LEVEL (3) DUCT BLACK W/ ORANGE STRIPE. CONTRACTOR IS TO THEN REMOVE EXISTING 1-72F (TEMPORARY) OUT OF BLACK WITH PURPLE STRIPE DUCT.

PROJECT DESCRIPTION:

CLL CODE:
PA NUMBER:
ADDRESS:
CITY: FULSHEAR
CITY: TEXAS
ZIP CODE:
CUSTOMER/TENANT:
AUTHORITY:
-SITE CONTACT: (NAME)
-OFFICE PHONE NUMBER: (NUMBER)
ENTRY TYPE:
EQUIPMENT TYPE:
ROOM:
FIBER INSTALLATION: 1-144F

3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-7-18.dwg

CONFIDENTIAL/PROPRIETARY SHEET: 01 OF 43

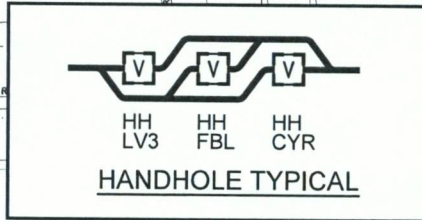
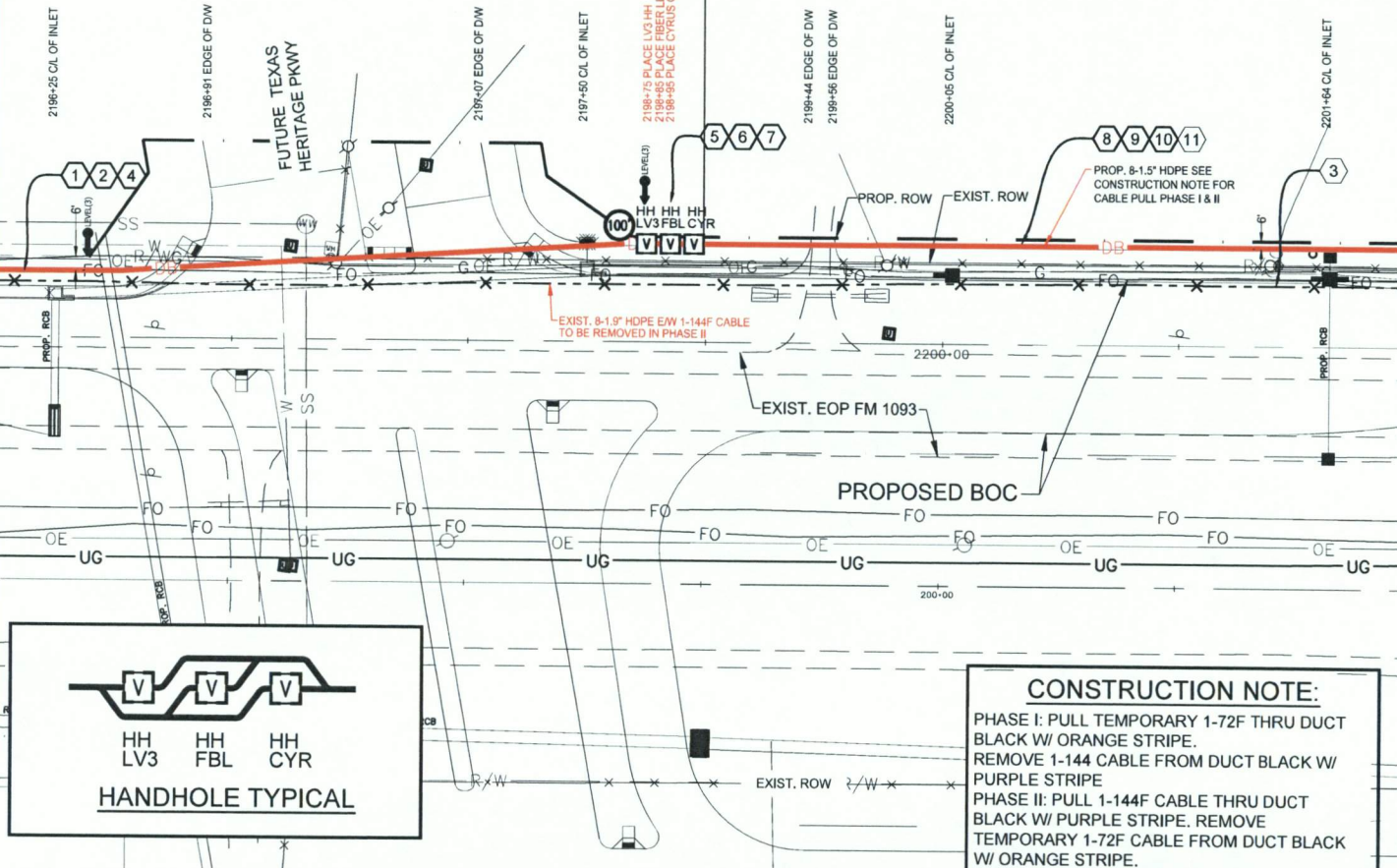
FULSHEAR, TX
FORT BEND COUNTY

PHASE IIB
(NON-REFUNDABLE)(SHEETS 5-21)

PHASE IIA
(50% REFUNDABLE)(SHEETS 21-38)

SEE SHEET 20 TO MATCH SURVEY STA. 2196+00

SEE SHEET 22 TO MATCH SURVEY STA. 2202+00



CONSTRUCTION NOTE:
PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.

PHASE 2B Page Rate Card

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	1,375'	-
UGB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	275'	-
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	375'	-
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	375'	-
UGB-31060 - REMOVE & DISPOSE OF CABLE	FT	275'	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	375'	-
UGB-31280 - PLACE NEW 30"X60"X36" NON-CONCRETE MANHOLE/HANDHOLE	EA	3	-
UGB-32000 - PLACE LOCATE TEST STATION	EA	1	-
MAT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	2,200'	-
MAT-90980 - TIER 15 - 30"X60"X36" - WITH KNOCK-OUTS AND RACKING	EA	1	-
MAT-92080 - TEST STATIONS - MARKER POST W/ REMOVABLE TOP	EA	1	-

PHASE 2A Page Rate Card

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	1,625'	-
UGB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	325'	-
UGB-30980 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	325'	-
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	325'	-
UGB-31060 - REMOVE & DISPOSE OF CABLE	FT	325'	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	325'	-
MAT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	2,800'	-

CONSTRUCTION NOTES

- CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 275'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 375'
NOTES: PULL CABLE IN NEW 1.5" HDPE, LEAVE 100' COIL IN PROP. LEVEL (3) HH
- CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 375'
NOTES: PULL CABLE IN NEW 1.5" HDPE, LEAVE 100' COIL IN PROP. LEVEL (3) HH
- LEVEL (3) HANDHOLE
NOTE: LEAVE 100' COIL IN HH
- FIBERLIGHT HANDHOLE
NOTE:
- CYRUSONE HANDHOLE
NOTE:
- CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 325'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 325'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 325'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SITE PLAN

1	03/7/18	GFS	GFS	REVISION
2	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT

Level 3
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-2-18.dwg
CONFIDENTIAL/PROPRIETARY
SHEET: 21 OF 43



SCALE:
HORIZ: 1" = 50'
VERT: 1" = 10'

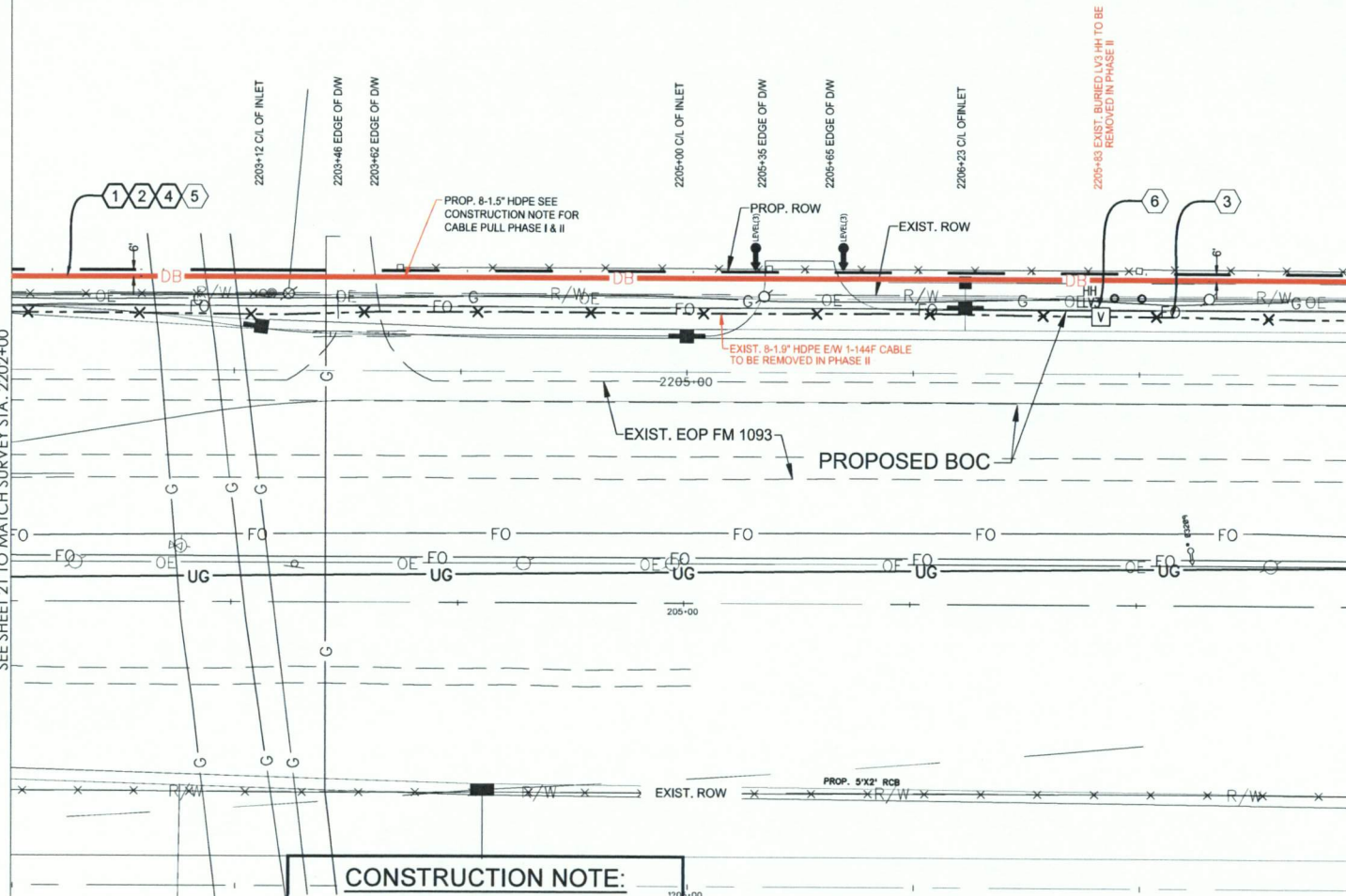
FULSHEAR, TX
FORT BEND COUNTY

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 600'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT
- 6 EXISTING LEVEL (3) HANDHOLE
NOTE: PHASE II TO BE REMOVED

SEE SHEET 21 TO MATCH SURVEY STA. 2202+00

SEE SHEET 23 TO MATCH SURVEY STA. 2208+00



CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.

PHASE 2A Page Rate Card

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30700 - DIR. BORE GREATER THAN 1500'. ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	3,000'	-
UGB-30710 - DIR. BORE GREATER THAN 1500'. 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	600'	-
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (INCL COILS)	FT	600'	-
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	600'	-
UGB-31060 - REMOVE & DISPOSE OF CABLE	FT	600'	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	600'	-
UGB-31360 - REMOVE EXISTING - 30"x60"x36" NON-CONCRETE MANHOLE/HANDHOLE	EA	1	-
UMT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	4800'	-



SCALE:
HOR: 1" = 50'
VERT: 1" = 10'

SITE PLAN

3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT

Level 3
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-17-18.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 22 OF 43

CONSTRUCTION NOTE:

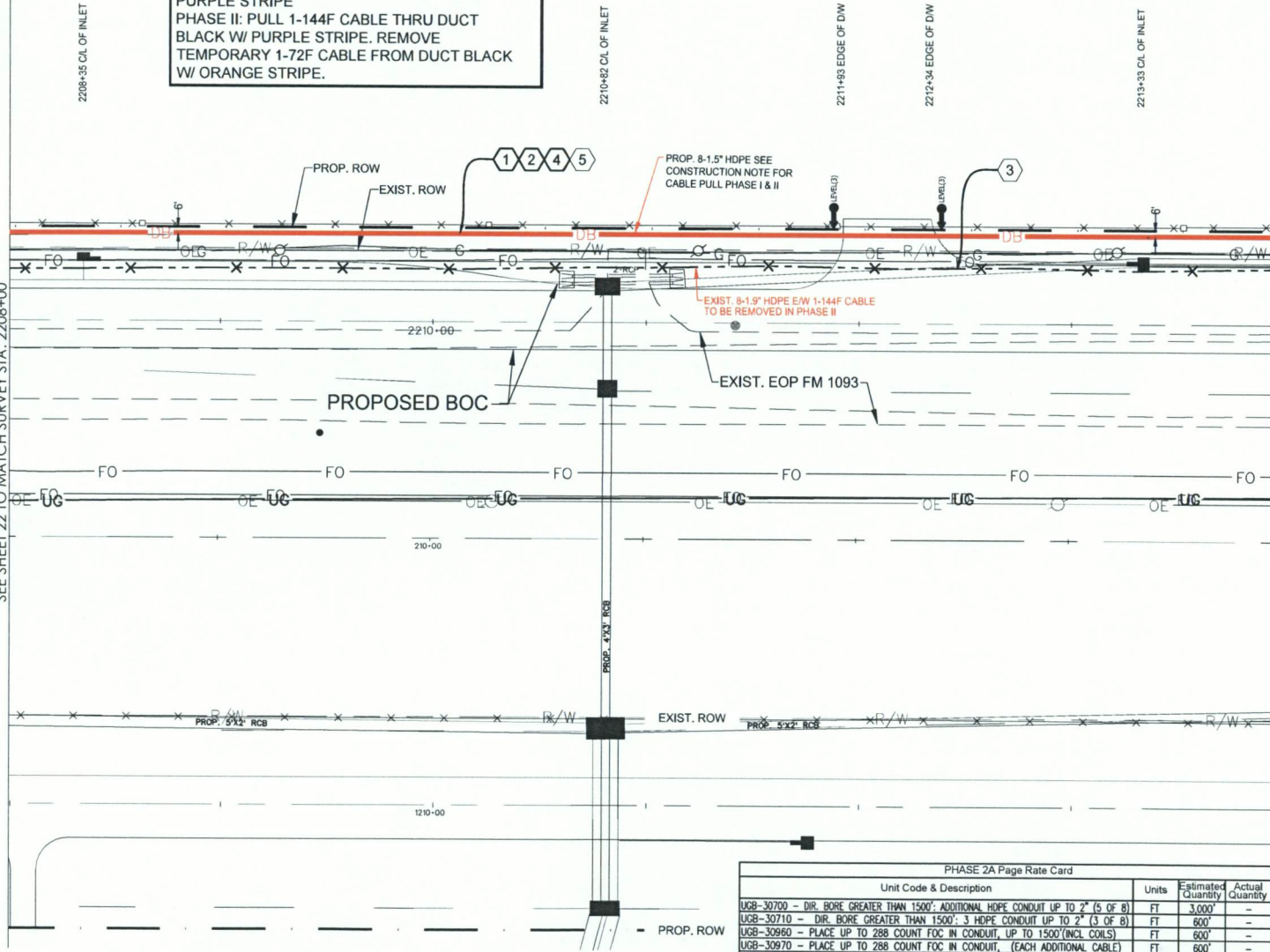
PHASE I: PULL TEMPORARY 1-72F THRU DUCT
BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/
PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT
BLACK W/ PURPLE STRIPE. REMOVE
TEMPORARY 1-72F CABLE FROM DUCT BLACK
W/ ORANGE STRIPE.

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 600'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W
1-144F LEVEL (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST.
CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SEE SHEET 22 TO MATCH SURVEY STA. 2208+00

SEE SHEET 24 TO MATCH SURVEY STA. 2214+00



PHASE 2A Page Rate Card				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
UG8-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	3,000'	-	
UG8-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	600'	-	
UG8-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	600'	-	
UG8-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	600'	-	
UG8-31060 - REMOVE & DISPOSE OF CABLE	FT	600'	-	
UG8-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	600'	-	
MAI-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	4800'	-	



SCALE:
HOR: 1" = 50'
VERT: 1" = 10'

SITE PLAN

3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG	DESIGN	DRAFTING
				COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

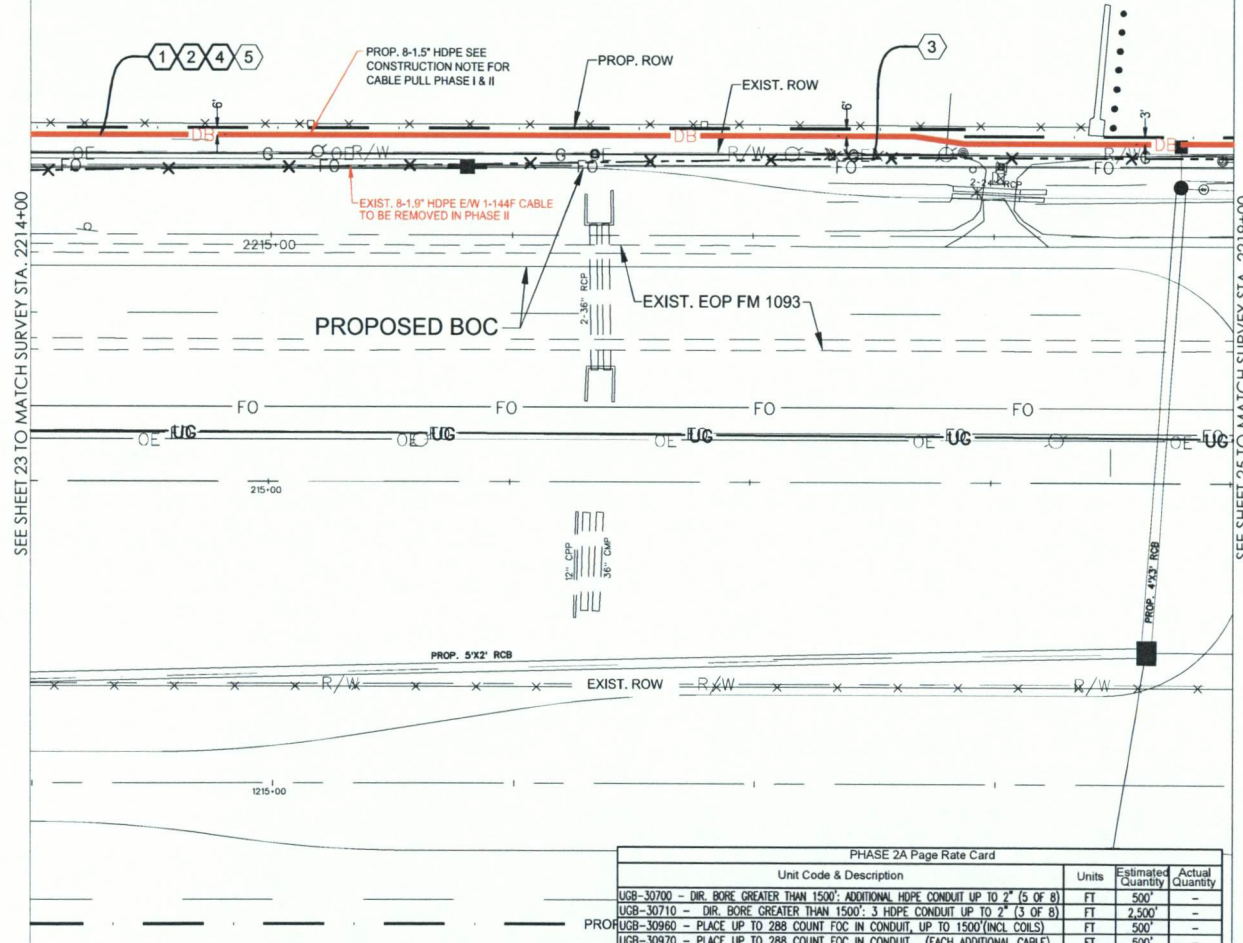
DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-
15718.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 23 OF 43

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT
BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/
PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT
BLACK W/ PURPLE STRIPE. REMOVE
TEMPORARY 1-72F CABLE FROM DUCT BLACK
W/ ORANGE STRIPE.

2215+42 CL OF INLET

2218+78 CL OF INLET



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 500'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W
1-144F LEVEL (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 500'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 500'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST.
CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 500'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 500'
NOTES: REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SITE PLAN

NO.	DATE	ENG. DESIGN	DRAFTING	REVISION
3	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
				COMMENT

Level(3)
COMMUNICATIONS

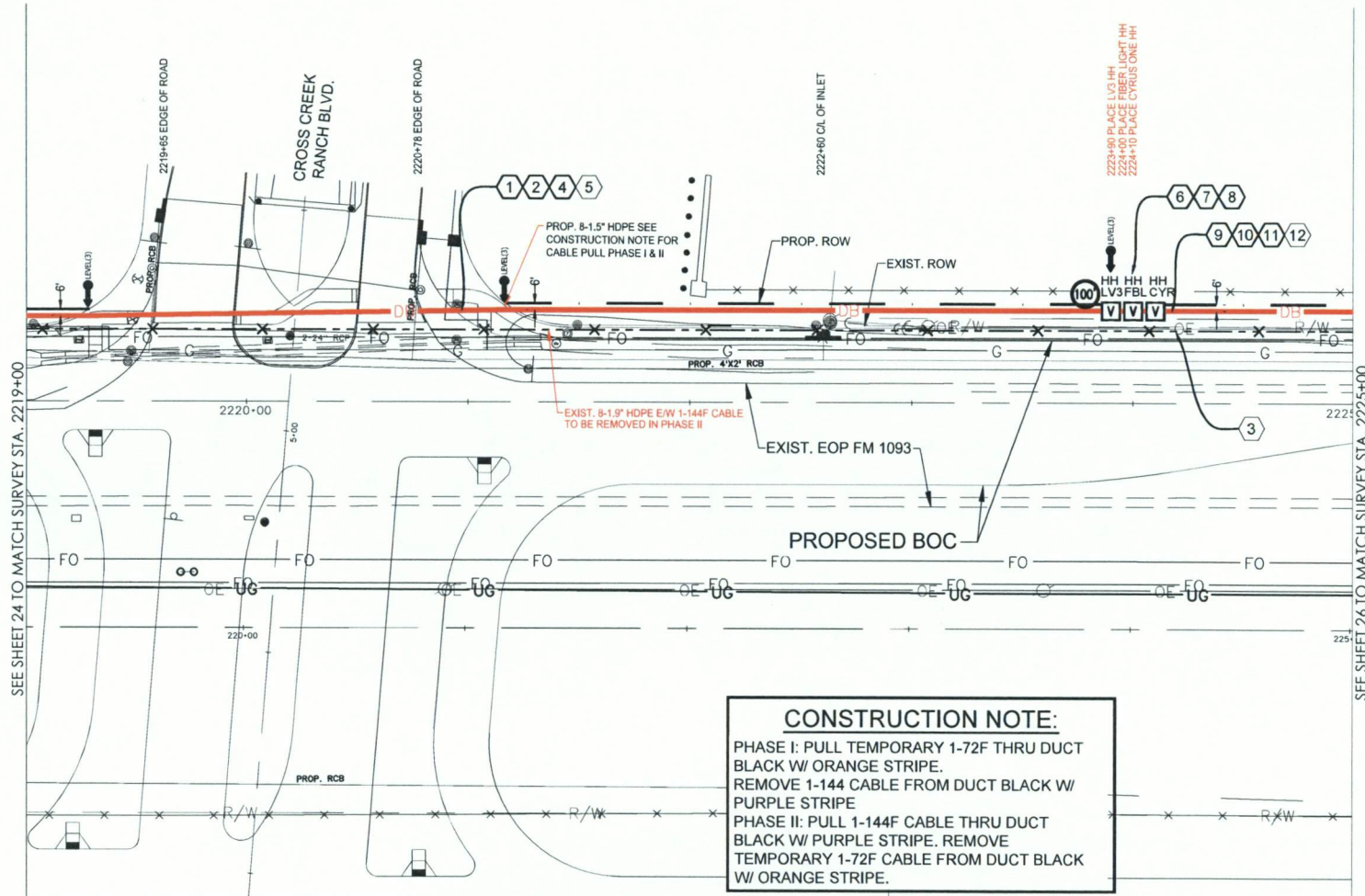
LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX
DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II
CONFIDENTIAL/PROPRIETARY



SCALE:
HORI: 1" = 50'
VERT: 1" = 10'

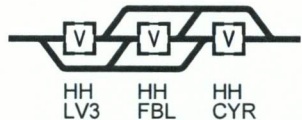
PHASE 2A Page Rate Card			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UCB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	500'	-
UCB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	2,500'	-
UCB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	500'	-
UCB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	500'	-
UCB-31050 - REMOVE & DISPOSE OF CABLE	FT	500'	-
UCB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	500'	-
MAT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	4000'	-

FULSHEAR, TX
FORT BEND COUNTY



CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.



HANDHOLE TYPICAL

PHASE 2A Page Rate Card				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
UGB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	3,000'	-	
UGB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	600'	-	
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	700'	-	
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	700'	-	
UGB-31060 - REMOVE & DISPOSE OF CABLE	FT	600'	-	
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	700'	-	
UGB-31280 - PLACE NEW 30"x60"x36" NON-CONCRETE MANHOLE/HANDHOLE	EA	3	-	
UGB-32000 - PLACE LOCATE TEST STATION	EA	1	-	
MAT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	4800'	-	
MAT-90980 - TIER 15 - 30"x60"x36" - WITH KNOCK-OUTS AND RACKING	EA	1	-	
MAT-92080 - TEST STATIONS - MARKER POST W/ REMOVABLE TOP	EA	1	-	

CONSTRUCTION NOTES

- CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 400'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 590'
NOTES: PULL CABLE IN NEW 1.5" HDPE W/ 100' COIL IN LEVEL 3 H.H.
- CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 590'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE W/ 100' IN LEVEL 3 H.H.
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 590'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT
- LEVEL (3) HANDHOLE
NOTE: LEAVE 100' COIL IN HH
- FIBERLIGHT HANDHOLE
NOTE:
- CYRUSONE HANDHOLE
NOTE:
- CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 110'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 110'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 110'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 110'
NOTES: REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SITE PLAN

NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3	03/7/18	GFS	GFS	REVISION
2	06/28/17	GFS	GFS	CONSTRUCTION
1				

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-18.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 25 OF 43



SCALE:
HORI: 1" = 50'
VERT: 1" = 10'

SEE SHEET 24 TO MATCH SURVEY STA. 2219+00

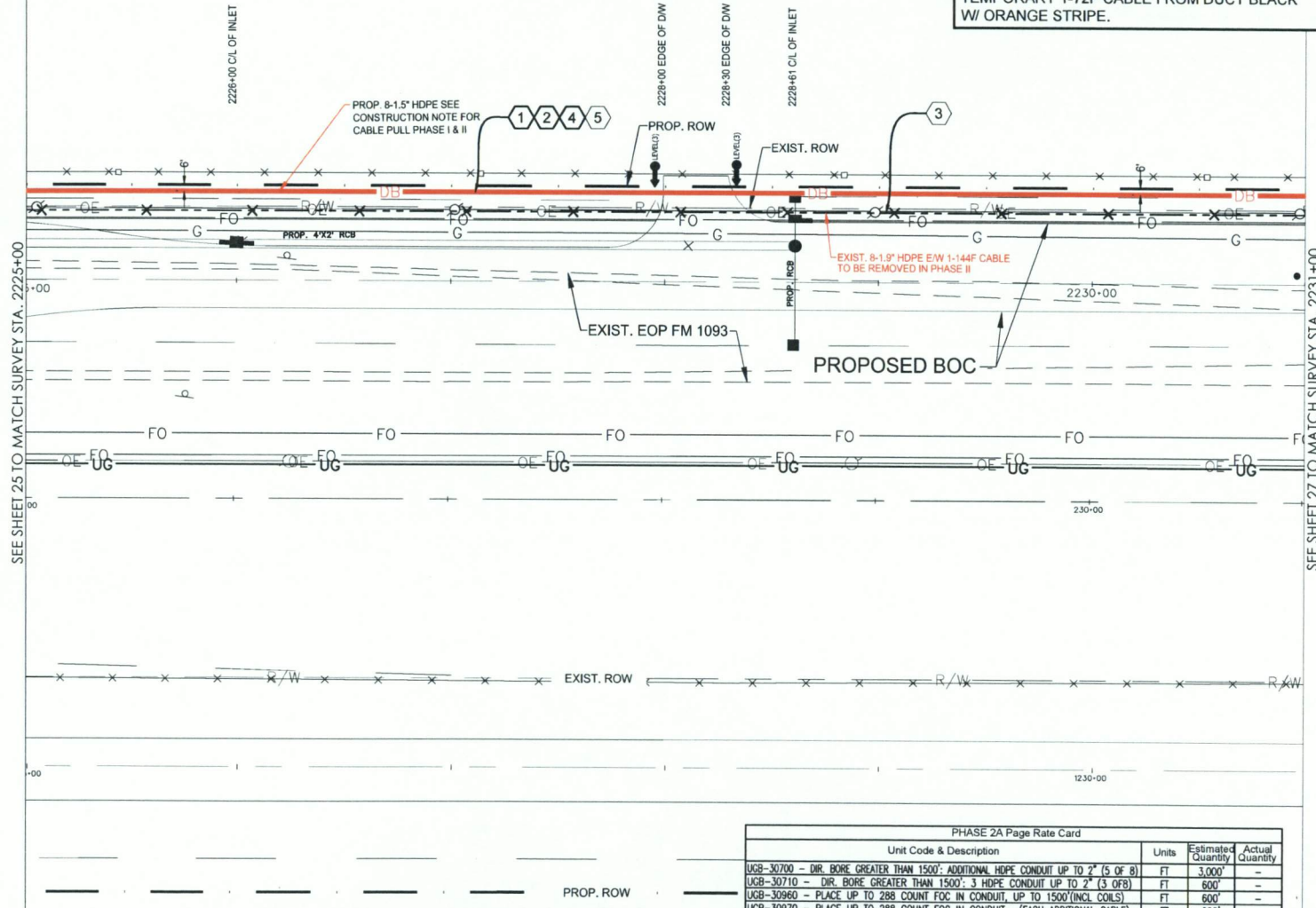
SEE SHEET 26 TO MATCH SURVEY STA. 2225+00

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE, REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 600'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT



PHASE 2A Page Rate Card

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	3,000'	-
UGB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	600'	-
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	600'	-
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	600'	-
UGB-31060 - REMOVE & DISPOSE OF CABLE	FT	600'	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	600'	-
MAI-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	4800'	-



SCALE:
HORI: 1" = 50'
VERT: 1" = 10'

SITE PLAN

NO.	DATE	ENG. DESIGN	DRAFTING	COMMENT
3	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION

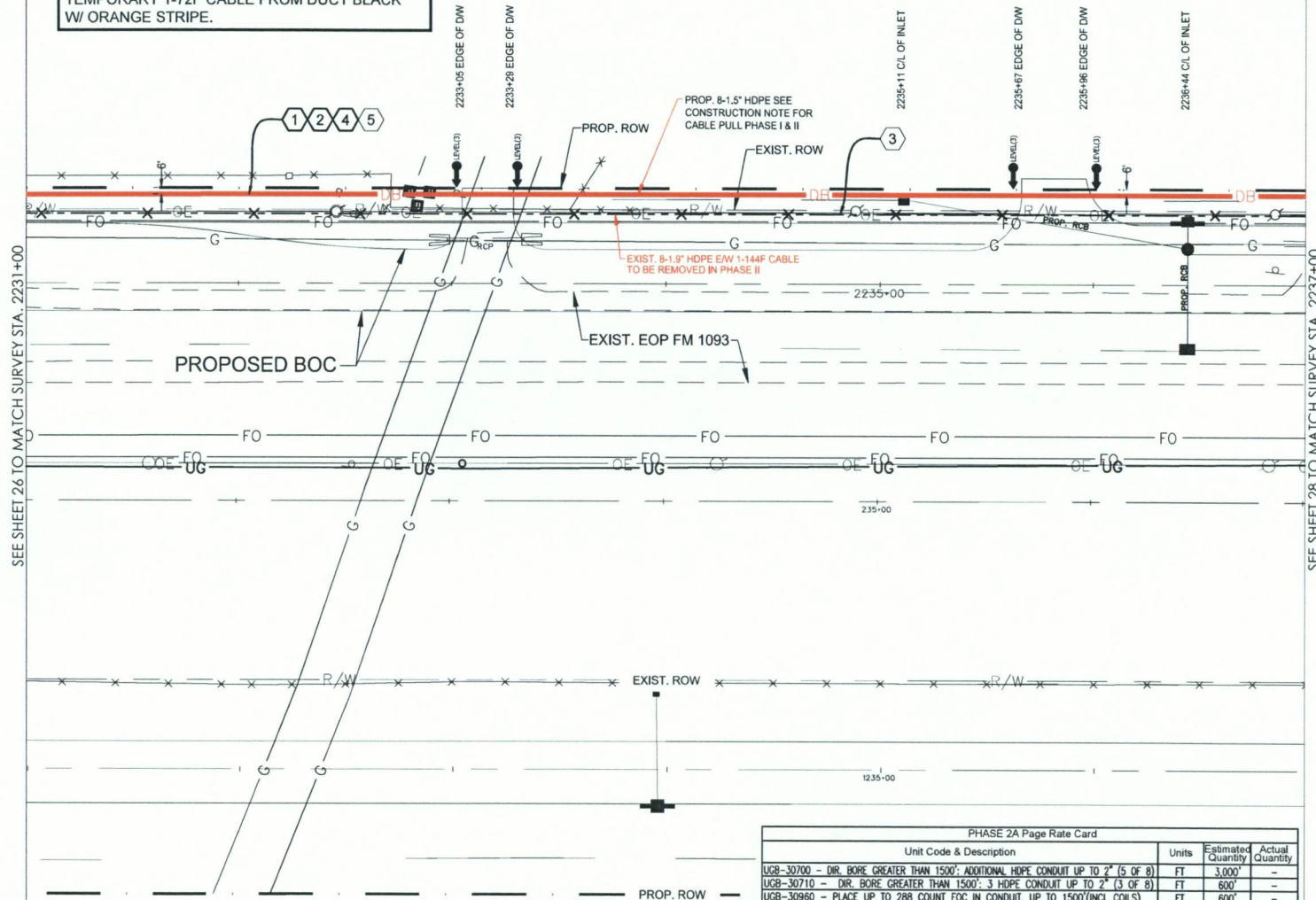
Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX
DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-7-18.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 26 OF 43

PHASE I: PULL TEMPORARY 1-72F THRU DUCT
BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/
PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT
BLACK W/ PURPLE STRIPE. REMOVE
TEMPORARY 1-72F CABLE FROM DUCT BLACK
W/ ORANGE STRIPE.

FULSHEAR, TX
FORT BEND COUNTY

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 600'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W
1-144F CABLE (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST.
CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST.
CONDUIT



PHASE 2A Page Rate Card				
Unit Code & Description		Units	Estimated Quantity	Actual Quantity
UGB-30710	- DR. BORE GREATER THAN 1500', ADDITIONAL HOPE CONDUIT UP TO 3" (5 of 8)	FT	3000	
UGB-30720	- DR. BORE GREATER THAN 1500', 3 HOPE CONDUIT UP TO 2" (3 of 8)	FT	800	
UGB-30960	- PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(NCL COILS)	FT	600	
UGB-30970	- PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	600	
UGB-31060	- REMOVE & DISPOSE OF CABLE	FT	600	
UGB-31070	- REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	600	
MAI-90070	- CONDUIT: 1 1/2" HOPE 3DR-11	FT	4900	



SCALE:
HORI: 1" = 50'
VERT: 1" = 10'

SITE PLAN

3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT

Level(3)
COMMUNICATIONS

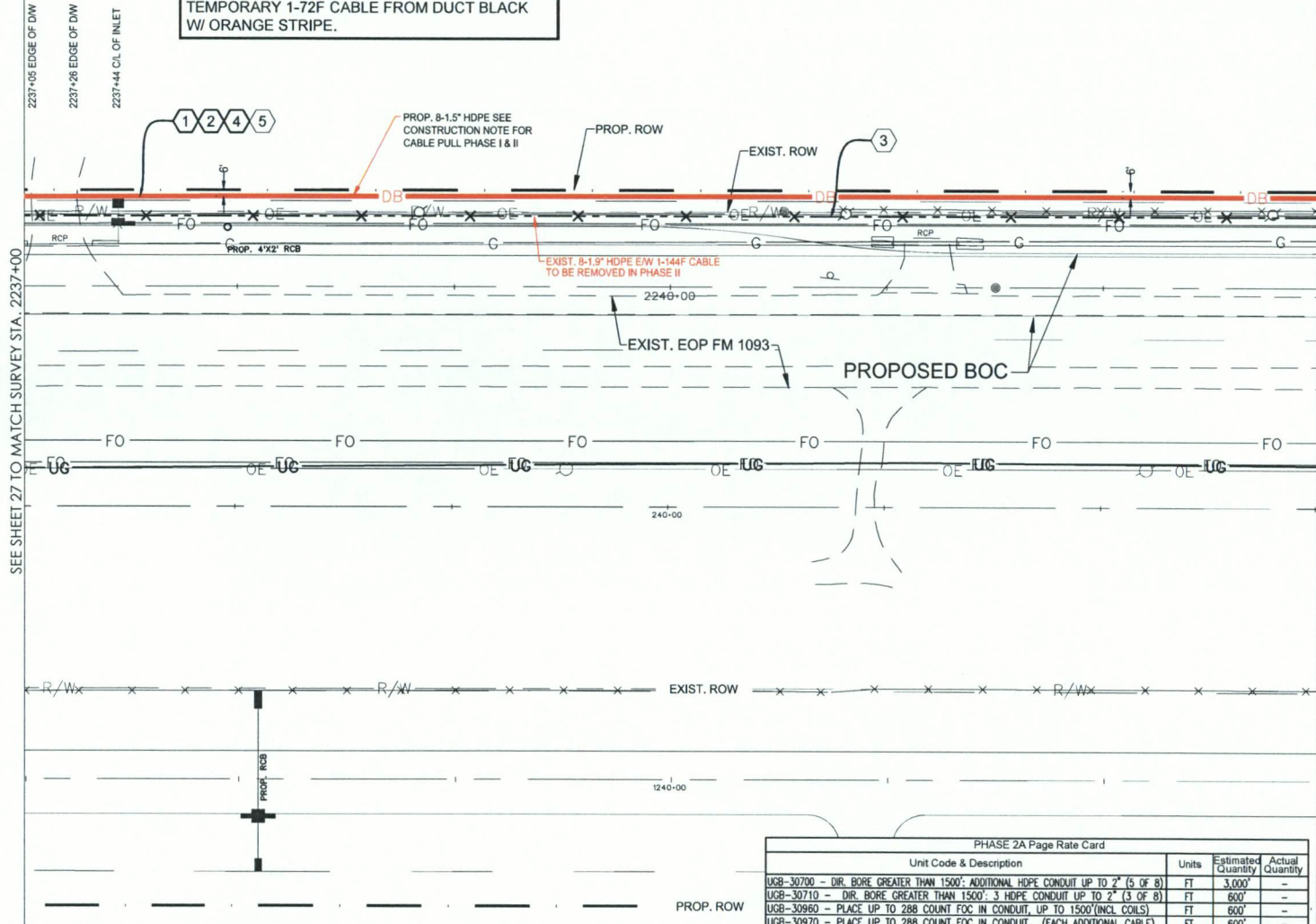
LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II- 1-7-18.dwg	
CONFIDENTIAL/PROPRIETARY	SHEET: 27 OF 43

FULSHEAR, TX
FORT BEND COUNTY

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT
BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/
PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT
BLACK W/ PURPLE STRIPE. REMOVE
TEMPORARY 1-72F CABLE FROM DUCT BLACK
W/ ORANGE STRIPE.



PHASE 2A Page Rate Card			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UCB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	3,000'	-
UCB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	600'	-
UCB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	600'	-
UCB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	600'	-
UCB-31060 - REMOVE & DISPOSE OF CABLE	FT	600'	-
UCB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	600'	-
MAT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	4800'	-

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 600'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W
1-144F LEVEL (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST.
CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SITE PLAN

3	03/7/18	GFS	GFS	REVISION
2	06/28/17	GFS	GFS	CONSTRUCTION
1				
NO.	DATE	ENG. DESIGN	DRAFTING	COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 Westpark Extension Phase II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II
1-7-18.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 28 OF 43



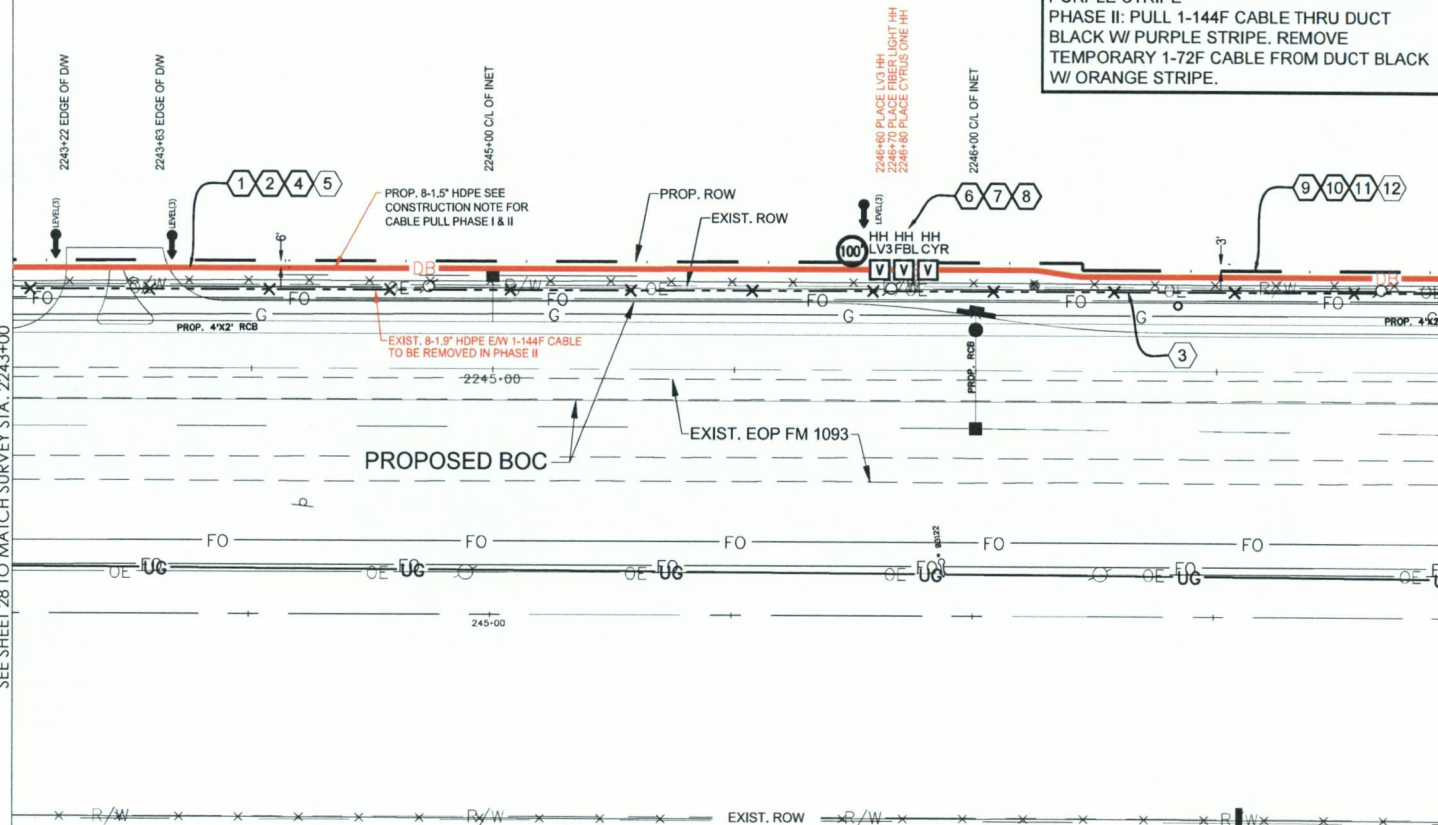
SCALE:
HORI: 1" = 50'
VERT: 1" = 10'

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.

SEE SHEET 28 TO MATCH SURVEY STA. 2243+00

SEE SHEET 30 TO MATCH SURVEY STA. 2249+00



CONSTRUCTION NOTES

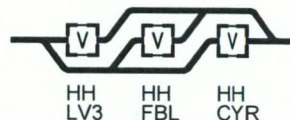
- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 360'
CONDUIT QTY: 8
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 480'
NOTES: PULL CABLE IN NEW 1.5" HDPE W/ 100' COIL IN LEVEL 3 H.H.
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 360'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 480'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE W/ 100' COIL IN LEVEL 3 H.H.
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 480'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT
- 6 LEVEL (3) HANDHOLE
NOTE: LEAVE 100' COIL IN HH
- 7 FIBERLIGHT HANDHOLE
NOTE:
- 8 CYRUSONE HANDHOLE
NOTE:
- 9 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 240'
CONDUIT QTY: 8
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- 10 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 240'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 11 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 240'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE
- 12 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 240'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SITE PLAN

3	03/7/18	GFS	GFS	REVISION
2	06/28/17	GFS	GFS	CONSTRUCTION
1	06/28/17	ENG DESIGN	DRAFTING	COMMENT
Level(3) <small>COMMUNICATIONS</small>				
LEVEL 3 ENGINEER: KEITH HALL ENGINEERING FIRM: GOLDEN FIELD SERVICES PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II LOCATION: FULSHEAR, TX				
DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-18.dwg CONFIDENTIAL/PROPRIETARY				



SCALE:
HORI: 1" = 50'
VERT: 1" = 10'



HANDHOLE TYPICAL

PHASE 2A Page Rate Card

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	3,000'	-
UGB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	600'	-
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	700'	-
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	700'	-
UGB-31060 - REMOVE & DISPOSE OF CABLE	FT	600'	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	700'	-
UGB-31280 - PLACE NEW 30"x60"x36" NON-CONCRETE MANHOLE/HANDHOLE	EA	3	-
UGB-32000 - PLACE LOCATE TEST STATION	EA	1	-
MAT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	4800'	-
MAT-90980 - TIER 15 - 30"x60"x36" - WITH KNOCK-OUTS AND RACKING	EA	1	-
MAT-92080 - TEST STATIONS - MARKER POST W/ REMOVABLE TOP	EA	1	-

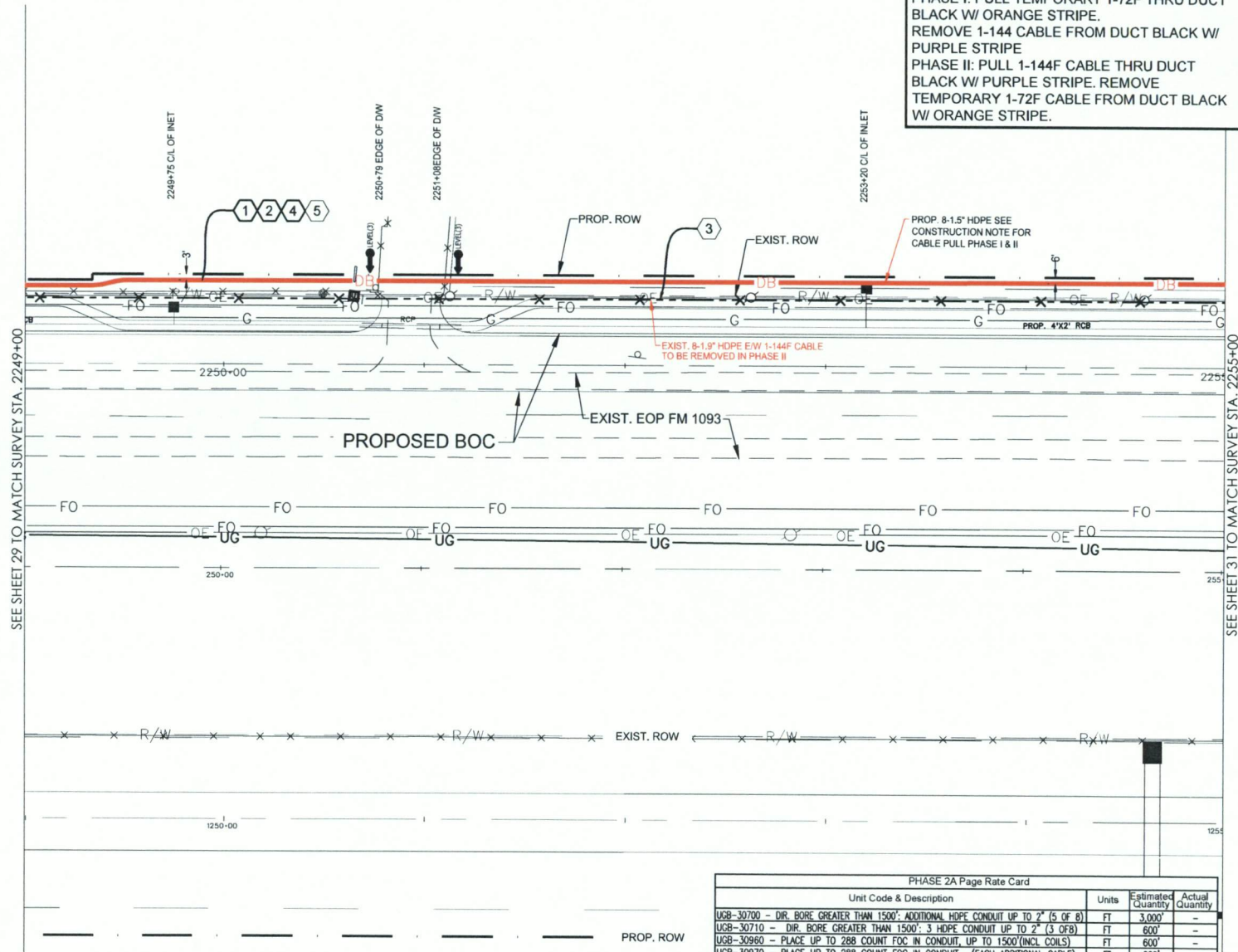
PROPOSED ROW

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 600'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT



PHASE 2A Page Rate Card			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	3,000'	-
UGB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	600'	-
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	600'	-
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	600'	-
UGB-31060 - REMOVE & DISPOSE OF CABLE	FT	600'	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	600'	-
MAI-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	4800'	-



SCALE:
HORI: 1" = 50'
VERT: 1" = 10'

SITE PLAN

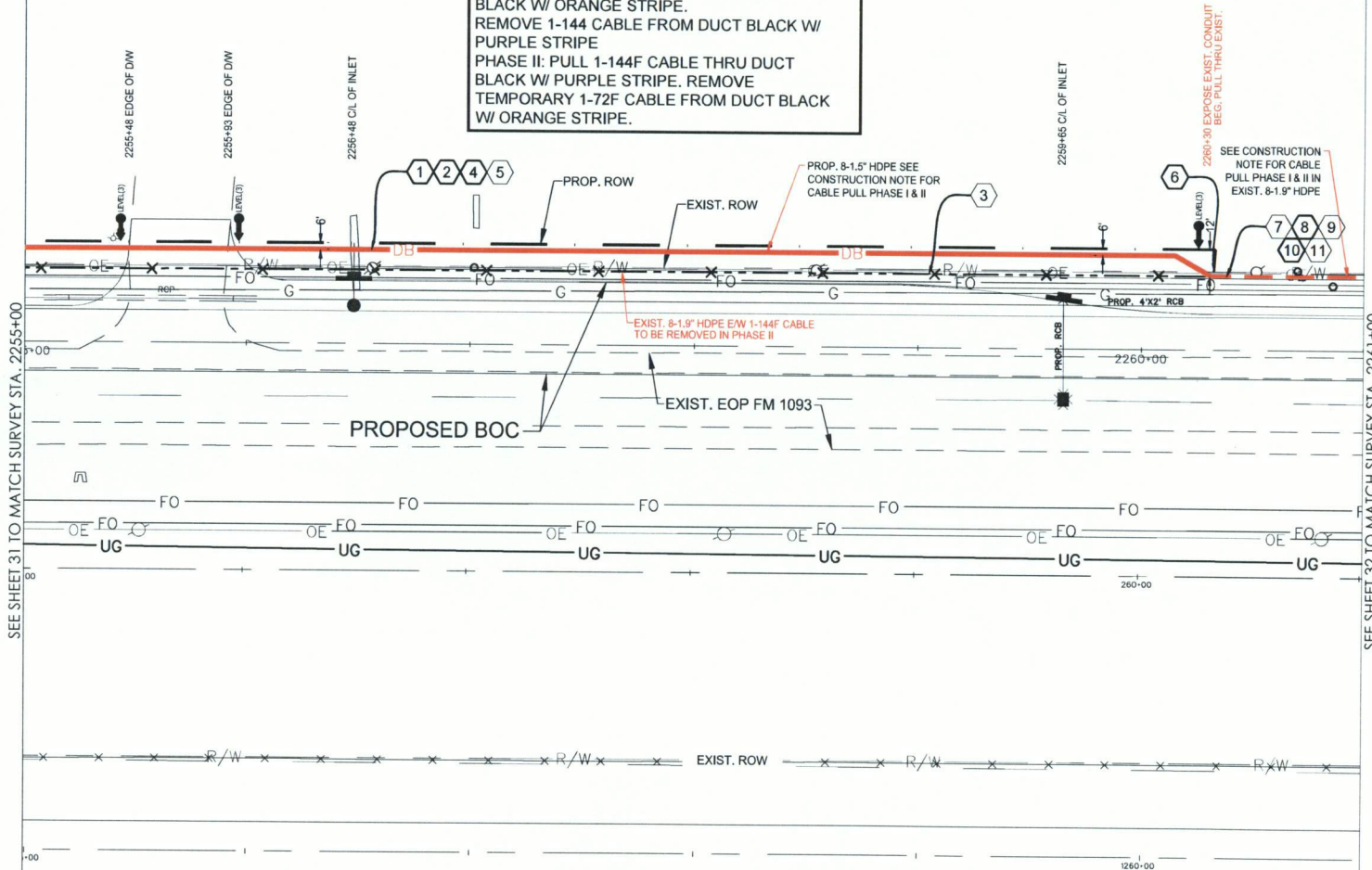
3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX
DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-7-18.dwg
CONFIDENTIAL/PROPRIETARY
SHEET: 30 OF 43

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 530'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 530'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 530'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 530'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 530'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT
- 6 INTERCEPT EXIST. LEVEL (3) CONDUIT
- 7 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 70'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 8 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 70'
NOTES: PULL CABLE IN EXIST 1.5" HDPE
- 9 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 70'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 10 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 70'
NOTES: PHASE II PULL CABLE IN EXIST 1.5" HDPE
- 11 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 70'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SITE PLAN

NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-15-18.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 31 OF 43



SCALE:
HORIZ: 1" = 50'
VERT: 1" = 10'

PHASE 2A Page Rate Card

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	2,650'	-
UGB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	530'	-
UGB-30820 - ROD & PROOF EXISTING CONDUIT	FT	70'	-
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	600'	-
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	600'	-
UGB-31060 - Remove & Dispose of Cable	FT	600'	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	600'	-
UGB-31640 - EXCAVATE SMALL PIT: 6'X4'X5'	EA	1	-
MAT-90070 - Conduit: 1 1/2" HDPE SDR-11	FT	4240'	-

PROP. ROW

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.

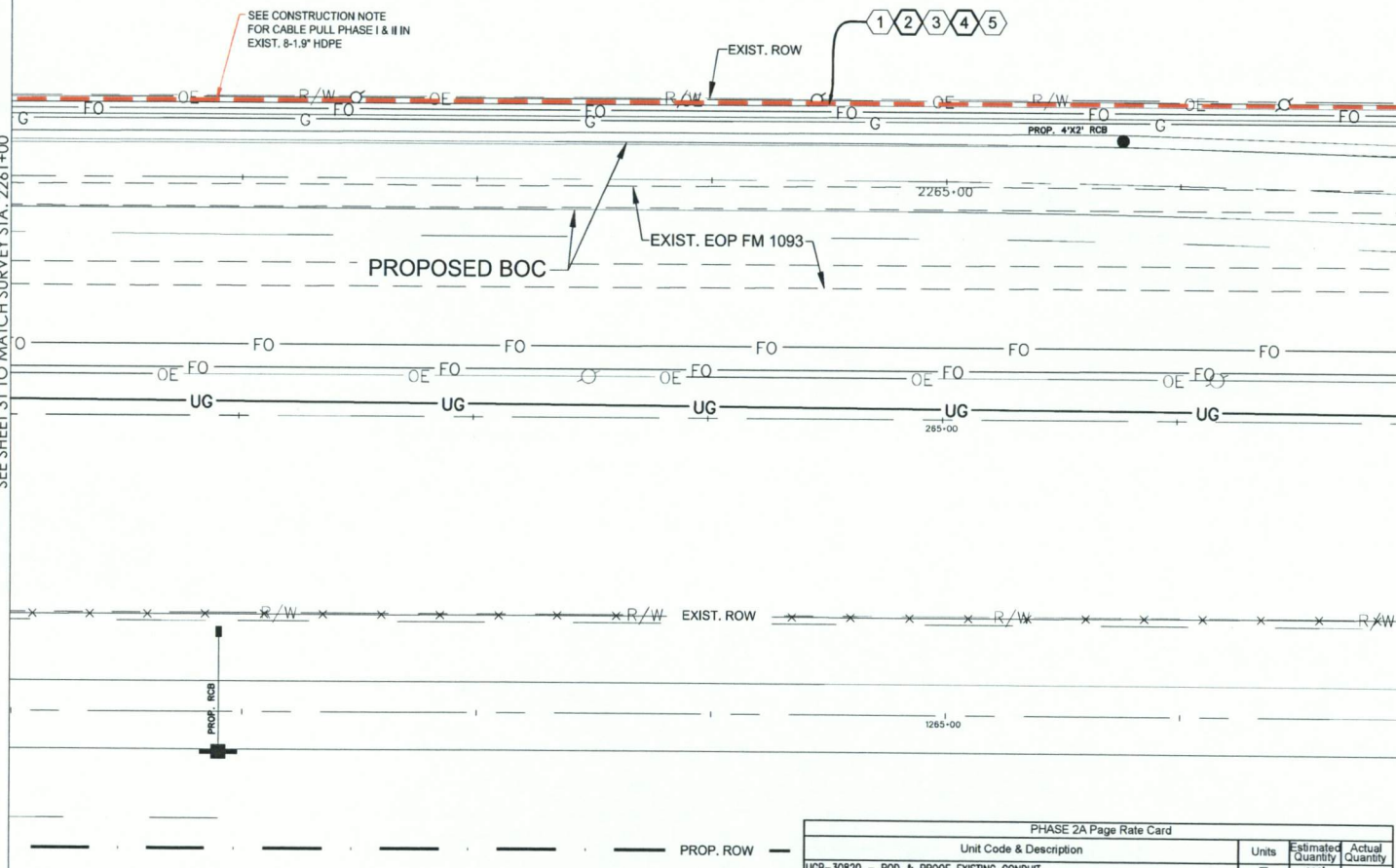
FULSHEAR, TX
FORT BEND COUNTY

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 600'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN EXIST. 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II PULL CABLE IN EXIST. 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SEE SHEET 31 TO MATCH SURVEY STA. 2261+00

SEE SHEET 33 TO MATCH SURVEY STA. 2267+00



PHASE 2A Page Rate Card			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30820 - ROD & PROOF EXISTING CONDUIT	FT	600'	-
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	600'	-
UGB-30870 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	600'	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	600'	-



SCALE:
HORI: 1" = 50'
VERT: 1" = 10'

SITE PLAN

3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG. DESIGN	DRAFTING	COMMENT

Level(3)
COMMUNICATIONS

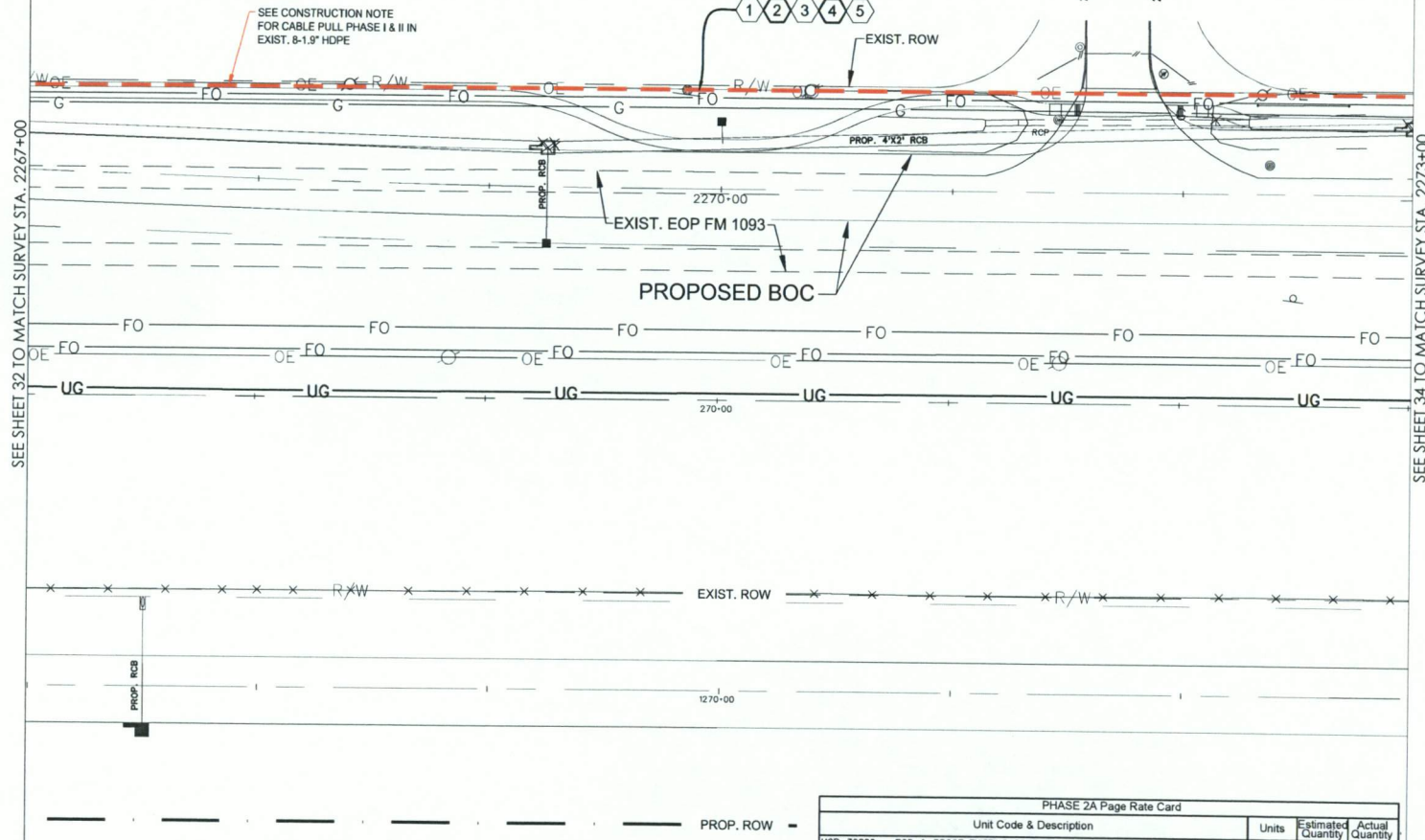
LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX
DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-7-18.dwg
CONFIDENTIAL/PROPRIETARY

SHEET: 32 OF 43

FULSHEAR, TX
FORT BEND COUNTY

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT
BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/
PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT
BLACK W/ PURPLE STRIPE. REMOVE
TEMPORARY 1-72F CABLE FROM DUCT BLACK
W/ ORANGE STRIPE.



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 600'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST.
CONDUIT
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN EXIST. 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST.
CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II PULL CABLE IN EXIST. 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST.
CONDUIT

SITE PLAN

3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG. DESIGN	DRAFTING	COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-
1-7-18.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 33 OF 43



SCALE:
HOR: 1" = 50'
VERT: 1" = 10'

PHASE 2A Page Rate Card

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30820 - ROD & PROOF EXISTING CONDUIT	FT	600'	-
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	600'	-
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	600'	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	600'	-

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 50'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 150'
NOTES: PULL CABLE IN EXIST. 1.5" HDPE, LEAVE 100' COIL IN PROP. LEVEL (3) HH
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 50'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 150'
NOTES: PHASE II PULL CABLE IN EXIST. 1.5" HDPE, LEAVE 100' COIL IN PROP. LEVEL (3) HH
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 150'
NOTES: PHASE II REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 6 LEVEL (3) HANDHOLE
LEAVE 100' COIL IN HH, INTERCEPT EXIST. LEVEL (3) CONDUIT
- 7 FIBERLIGHT HANDHOLE
NOTE:
- 8 CYRUSONE HANDHOLE
NOTE:
- 9 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 550'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- 10 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 550'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 11 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 12 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 150'
NOTES: PHASE II PULL CABLE IN EXIST. 1.5" HDPE
- 13 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SITE PLAN

3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG	DESIGN	DRAFTING
				COMMENT

Level(3)
COMMUNICATIONS

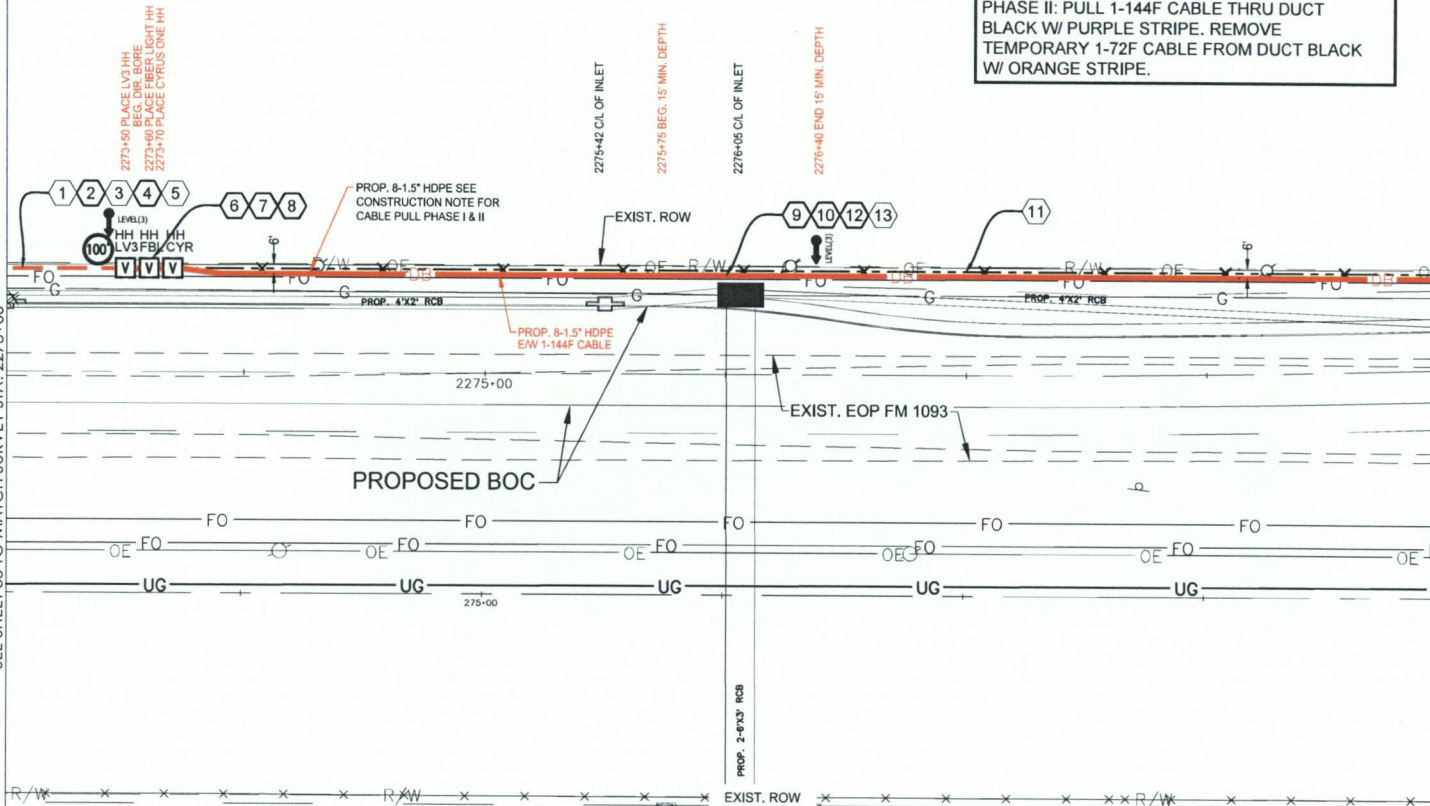
LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II
1-7-18.dwg
CONFIDENTIAL/PROPRIETARY

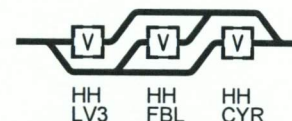
SHEET: 34 OF 43

SEE SHEET 33 TO MATCH SURVEY STA. 2273+00

SEE SHEET 35 TO MATCH SURVEY STA. 2279+00



PHASE 2A Page Rate Card				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
UGB-30700 - DIR. BORE GREATER THAN 1500'. ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	2,750	-	
UGB-30710 - DIR. BORE GREATER THAN 1500'. 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	550	-	
UGB-30820 - ROD & PROOF EXISTING CONDUIT/ROD & PROOF EXISTING CONDUIT	FT	50	-	
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (INCL. COILS)	FT	700	-	
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	700	-	
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	700	-	
UGB-31280 - Place New 30"X60"X36" Non-Concrete Manhole/Handhole	EA	3	-	
UGB-32000 - PLACE LOCATE TEST STATION	EA	1	-	
MAT-90070 - Conduit: 1 1/2" HDPE SDR-11	FT	4400	-	
MAT-90980 - TIER 15 - 30"X60"X36" - WITH KNOCK-OUTS AND RACKING	EA	3	-	
MAT-92080 - TEST STATIONS - MARKER POST W/ REMOVABLE TOP	EA	1	-	



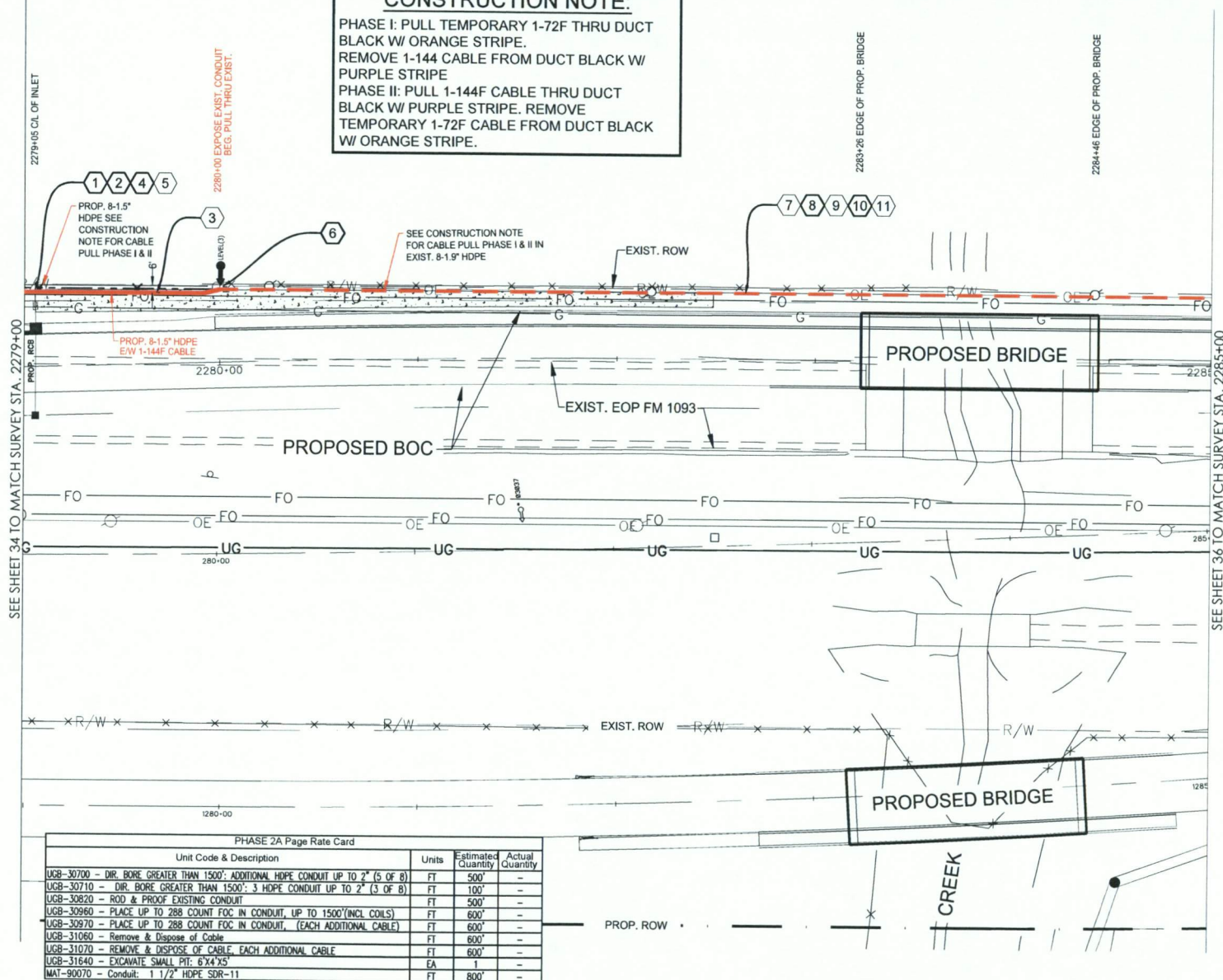
HANDHOLE TYPICAL



SCALE:
HORI: 1" = 50'
VERT: 1" = 10'

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT
BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/
PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT
BLACK W/ PURPLE STRIPE. REMOVE
TEMPORARY 1-72F CABLE FROM DUCT BLACK
W/ ORANGE STRIPE.



CONSTRUCTION NOTES

- CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 100'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 100'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 100'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT
- INTERCEPT EXIST. LEVEL (3) CONDUIT
- CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 500'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 500'
NOTES: PULL CABLE IN EXIST 1.5" HDPE
- CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 500'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 500'
NOTES: PHASE II PULL CABLE IN EXIST 1.5" HDPE
- CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 500'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SITE PLAN

3	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT

Level(3) COMMUNICATIONS
LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX
DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-7-18.dwg
CONFIDENTIAL/PROPRIETARY



SCALE:
HORI: 1" = 50'
VERT: 1" = 10'

FULSHEAR, TX
FORT BEND COUNTY

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 180'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 280'
NOTES: PULL CABLE IN EXIST. 1.5" HDPE, LEAVE 100' COIL IN PROP. LEVEL (3) HH
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 180'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 280'
NOTES: PHASE II PULL CABLE IN EXIST. 1.5" HDPE, LEAVE 100' COIL IN PROP. LEVEL (3) HH
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 280'
NOTES: PHASE II REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 6 LEVEL (3) HANDHOLE
LEAVE 100' COIL IN HH, INTERCEPT EXIST. LEVEL (3) CONDUIT
- 7 FIBERLIGHT HANDHOLE
NOTE:
- 8 CYRUSONE HANDHOLE
NOTE:
- 9 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 420'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- 10 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 420'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 11 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 420'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 12 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 420'
NOTES: PHASE II PULL CABLE IN EXIST. 1.5" HDPE
- 13 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 420'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SITE PLAN

3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG. DESIGN	DRAFTING	COMMENT

Level(3)
COMMUNICATIONS

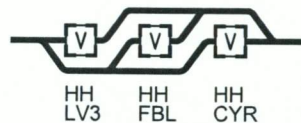
LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-7-18.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 36 OF 43



SCALE:
HOR: 1" = 50'
VERT: 1" = 10'

PHASE 2A Page Rate Card				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
UGB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	2,600'	-	
UGB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	520'	-	
UGB-30820 - ROD & PROOF EXISTING CONDUIT/ROD & PROOF EXISTING CONDUIT	FT	180'	-	
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	700'	-	
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	700'	-	
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	700'	-	
UGB-31280 - Place New 30"x60"x36" Non-Concrete Manhole/Handhole	EA	3	-	
UGB-32000 - PLACE LOCATE TEST STATION	EA	1	-	
MAT-90070 - Conduit: 1 1/2" HDPE SDR-11	FT	4160'	-	
MAT-90980 - TIER 15 - 30"x60"x36" - WITH KNOCK-OUTS AND RACKING	EA	3	-	
MAT-92080 - TEST STATIONS - MARKER POST W/ REMOVABLE TOP	EA	1	-	



HANDHOLE TYPICAL

SEE SHEET 35 TO MATCH SURVEY STA. 2285+00

SEE SHEET 37 TO MATCH SURVEY STA. 2291+00

FULSHEAR, TX
FORT BEND COUNTY

CONSTRUCTION NOTE:

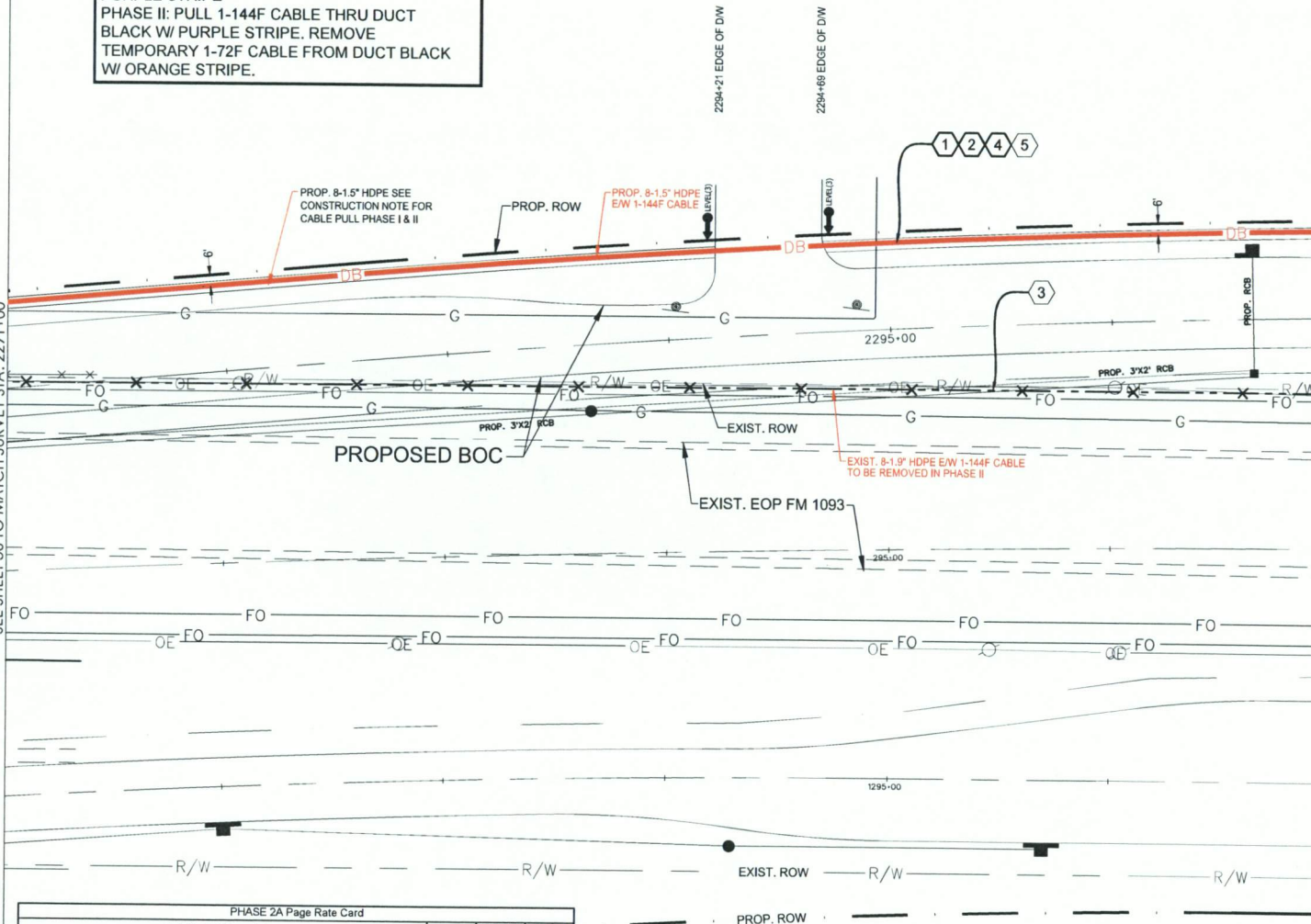
PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE
PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 600'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W 1-144F LEVEL (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PULL CABLE IN NEW 1.5" HDPE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST. CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 600'
NOTES: REMOVED EXIST. 72F CABLE FROM EXIST. CONDUIT

SEE SHEET 36 TO MATCH SURVEY STA. 2291+00

SEE SHEET 38 TO MATCH SURVEY STA. 2297+00



PHASE 2A Page Rate Card

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UCB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	3,000'	-
UCB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	600'	-
UCB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (INCL COILS)	FT	600'	-
UCB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	600'	-
UCB-31060 - REMOVE & DISPOSE OF CABLE	FT	600'	-
UCB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	600'	-
MAT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	4800'	-

SITE PLAN

NO.	DATE	ENG. DESIGN	DRAFTING	REVISION
3	03/7/18	GFS	GFS	REVISION
2	06/28/17	GFS	GFS	CONSTRUCTION
1				COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-7-18.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 37 OF 43



SCALE:
HORI: 1" = 50'
VERT: 1" = 10'

CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT
BLACK W/ ORANGE STRIPE.
REMOVE 1-144F CABLE FROM DUCT BLACK W/
PURPLE STRIPE

PHASE II: PULL 1-144F CABLE THRU DUCT
BLACK W/ PURPLE STRIPE. REMOVE
TEMPORARY 1-72F CABLE FROM DUCT BLACK
W/ ORANGE STRIPE.

144F IN: 0
OUT: 0

2300-38 EXIST LV3 HH
PROP SPlice POINT
2300-48 EXIST FIBER LIGHT HH
2300-58 EXIST CYRUS ONE HH

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 338'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: SDR-11 HDPE
NOTES: DIRECTIONAL BORE 8-1.5" HDPE TO BE E/W
1-144F LEVEL (3) CABLE
- 2 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 438'
NOTES: PULL CABLE IN NEW 1.5" HDPE, LEAVE 100' COIL
IN EXIST. LEVEL (3) HH FOR SPLICE
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 438'
NOTES: REMOVED EXIST. 144F CABLE FROM EXIST.
CONDUIT
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 438'
NOTES: PHASE II PULL CABLE IN NEW 1.5" HDPE, LEAVE
100' COIL IN EXIST. LEVEL (3) HH FOR SPLICE
- 5 CABLE FIBERS: 72F
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 438'
NOTES: PHASE II REMOVED EXIST. 72F CABLE FROM EXIST.
CONDUIT
- 6 EXISTING LEVEL (3) HANDHOLE
NOTE: LEAVE 100' COIL IN HH FOR SPLICE
- 7 PHASE II
CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 77'
CONDUIT QTY: 8
CONDUIT SIZE: 1.5"
CONDUIT TYPE: HDPE
NOTES: REMOVED EXIST. 144F CABLE FROM CONDUIT
- 8 PHASE II
EXISTING LEVEL (3) HANDHOLE
NOTE: TO BE REMOVED
- 9 PHASE II
EXISTING FIBERLIGHT HANDHOLE
NOTE: TO BE REMOVED
- 10 PHASE II
EXISTING CYRUSONE HANDHOLE
NOTE: TO BE REMOVED

SITE PLAN

NO.	DATE	ENG DESIGN	DRAFTING	REVISION
1	03/7/18	GFS	GFS	REVISION
2	06/28/17	GFS	GFS	CONSTRUCTION
3				COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-
1-2-18.dwg

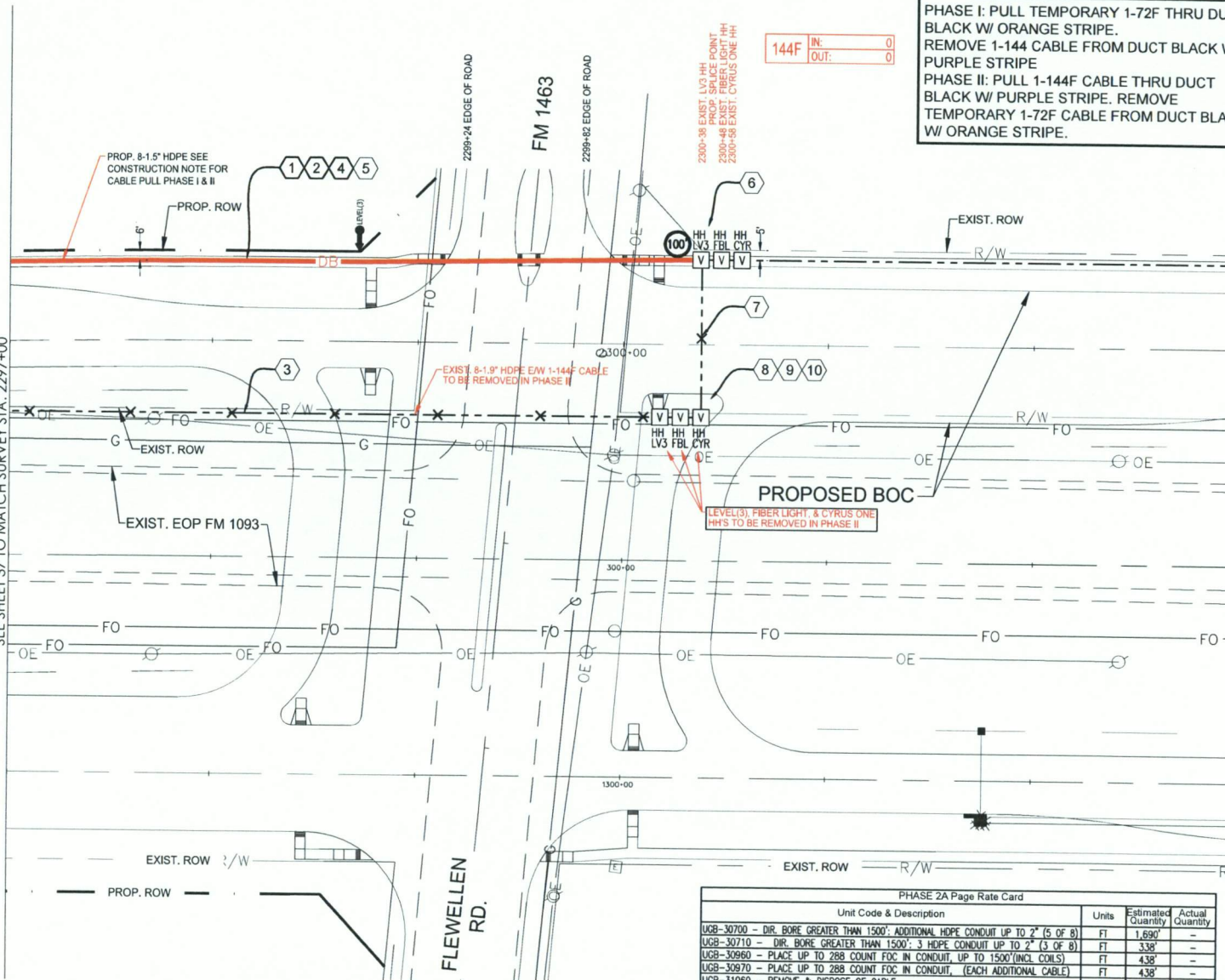
CONFIDENTIAL/PROPRIETARY SHEET 38 OF 43



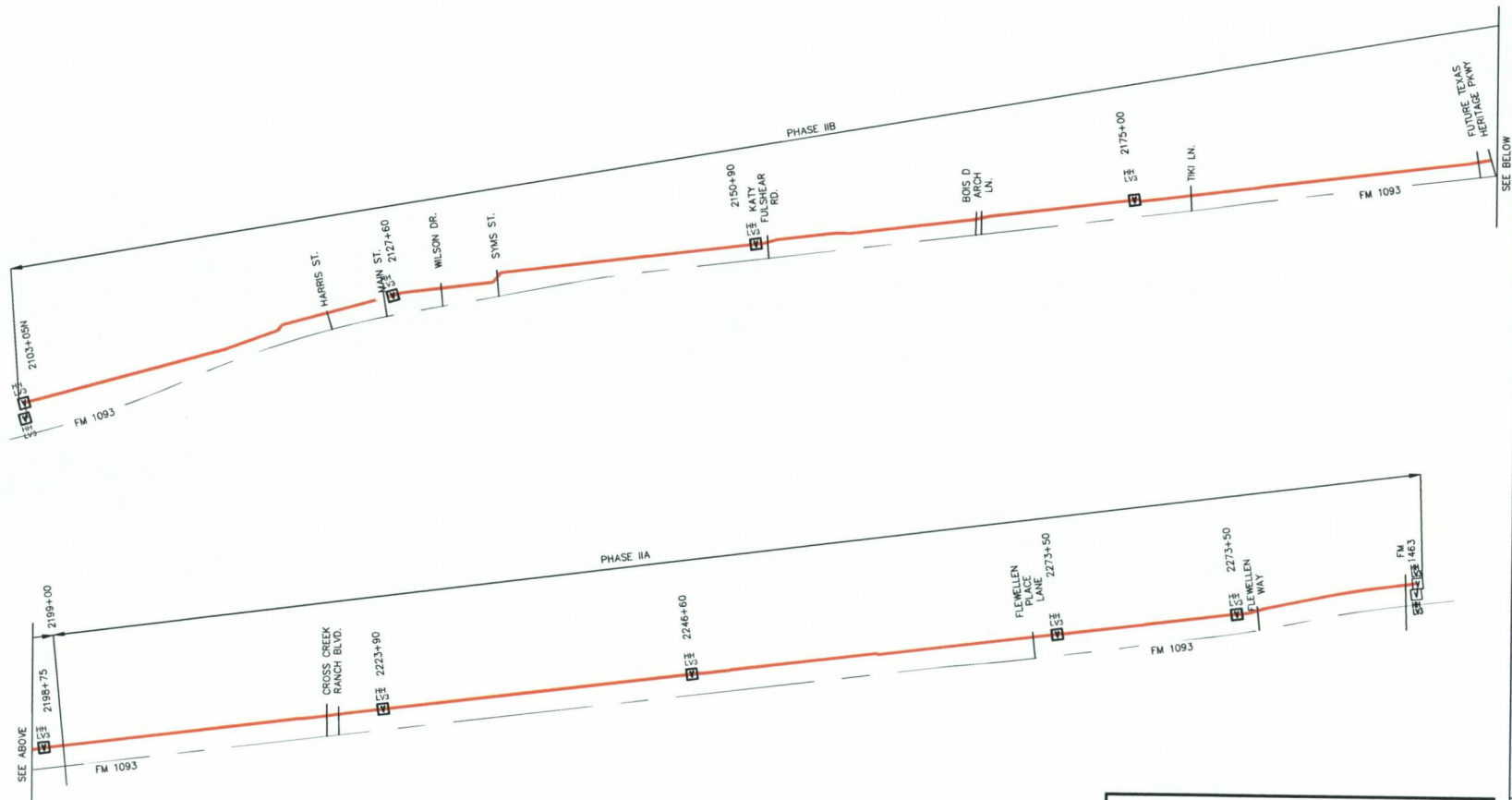
SCALE:
HORIZ: 1" = 50'
VERT: 1" = 10'

PHASE 2A Page Rate Card				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
UGB-30700 - DIR. BORE GREATER THAN 1500'; ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	1,690'	-	
UGB-30710 - DIR. BORE GREATER THAN 1500'; 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	338'	-	
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	438'	-	
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	438'	-	
UGB-31060 - REMOVE & DISPOSE OF CABLE	FT	438'	-	
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	438'	-	
UGB-31360 - REMOVE EXISTING - 30"X60"X36" NON-CONCRETE MANHOLE/HANDHOLE	EA	3	-	
MAT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	2704'	-	

SEE SHEET 37 TO MATCH SURVEY STA. 2297+00



CABLE PULL SCHEMATIC NOT TO SCALE



CONSTRUCTION NOTE:

PHASE I: PULL TEMPORARY 1-72F THRU DUCT BLACK W/ ORANGE STRIPE.
REMOVE 1-144 CABLE FROM DUCT BLACK W/ PURPLE STRIPE

PHASE II: PULL 1-144F CABLE THRU DUCT BLACK W/ PURPLE STRIPE. REMOVE TEMPORARY 1-72F CABLE FROM DUCT BLACK W/ ORANGE STRIPE.

3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: KEITH HALL
ENGINEERING FIRM: GOLDEN FIELD SERVICES
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II
LOCATION: FULSHEAR, TX

DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-17-18.dwg

CONFIDENTIAL/PROPRIETARY SHEET: 42 OF 43

PHASE 2A Page Rate Card			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30700 - DIR. BORE GREATER THAN 1500': ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	41,315	-
UGB-30710 - DIR. BORE GREATER THAN 1500': 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	8,263	-
UGB-30820 - ROD & PROOF EXISTING CONDUIT	FT	2,000	-
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	10,663	-
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	10,663	-
UGB-31060 - REMOVE & DISPOSE OF CABLE	FT	7,863	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	10,663	-
UGB-31280 - PLACE NEW 30"x60"x36" NON-CONCRETE MANHOLE/HANDHOLE	EA	12	-
UGB-31360 - REMOVE & REPLACE EXISTING - 30"x60"x36" - NON-CONCRETE MH/HH	EA	4	-
UGB-31640 - EXCAVATE SMALL PIT: 6'X4'X5'	EA	2	-
UGB-32000 - PLACE LOCATE TEST STATION	EA	4	-
MAT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	66,104	-
MAT-90980 - TIER 15 - 30"x60"x36" - WITH KNOCK-OUTS AND RACKING	EA	8	-
MAT-92080 - TEST STATIONS - MARKER POST W/ REMOVABLE TOP	EA	4	-

PHASE 2B Page Rate Card			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30010 - TRENCH UP TO 1500': TRENCH 36" MINIMUM COVER	FT	135	-
UGB-30150 - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	675	-
UGB-30160 - PLACE 3 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	135	-
UGB-30700 - DIR. BORE GREATER THAN 1500': ADDITIONAL HDPE CONDUIT UP TO 2" (5 OF 8)	FT	34,550	-
UGB-30710 - DIR. BORE GREATER THAN 1500': 3 HDPE CONDUIT UP TO 2" (3 OF 8)	FT	7,130	-
UGB-30820 - ROD & PROOF EXISTING CONDUIT	FT	2,405	-
UGB-30960 - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'(INCL COILS)	FT	10,270	-
UGB-30970 - PLACE UP TO 288 COUNT FOC IN CONDUIT, (EACH ADDITIONAL CABLE)	FT	10,270	-
UGB-31060 - REMOVE & DISPOSE OF CABLE	FT	9,101	-
UGB-31070 - REMOVE & DISPOSE OF CABLE, EACH ADDITIONAL CABLE	FT	10,170	-
UGB-31280 - PLACE NEW 30"x60"x36" NON-CONCRETE MANHOLE/HANDHOLE	EA	15	-
UGB-31470 - REMOVE & REPLACE EXISTING - 30"x60"x36" - NON-CONCRETE MH/HH	EA	2	-
UGB-31640 - EXCAVATE SMALL PIT: 6'X4'X5'	EA	2	-
UGB-32000 - PLACE LOCATE TEST STATION	EA	6	-
MAT-90070 - CONDUIT: 1 1/2" HDPE SDR-11	FT	58,120	-
MAT-90980 - TIER 15 - 30"x60"x36" - WITH KNOCK-OUTS AND RACKING	EA	9	-
MAT-92080 - TEST STATIONS - MARKER POST W/ REMOVABLE TOP	EA	6	-

3				
2	03/7/18	GFS	GFS	REVISION
1	06/28/17	GFS	GFS	CONSTRUCTION
NO.	DATE	ENG	DESIGN	DRAFTING
				COMMENT
				
LEVEL 3 ENGINEER: KEITH HALL				
ENGINEERING FIRM: GOLDEN FIELD SERVICES				
PROJECT NUMBER: FM 1093 WESTPARK EXTENSION PHASE II				
LOCATION: FULSHEAR, TX				
DRAWING NAME: Level 3 Fulshear, TX FM 1093 Westpark Extension Phase II-1-2-18.dwg				
CONFIDENTIAL/PROPRIETARY				

Exhibit B

Construction Cost Estimate


Date
9/17/18
Fort Bend County


Initial
4/5/18
Date
Zayo Group, LLC

Sow	FM 1093 and		
Description	Relocation		
Market	TX, Houston		
PA	151200	1 conduit	
Task	Online Directional Boring	Zayo	Cost Breakdown
UGB-30700:UGB:Directional Bore Greater Than 1500':Directional Bore greater than 1500': Additional HDPE conduit up to 2"	\$ 101,221.75	\$ 12,652.72	Cost divided via pro-rata
UGB-30710:UGB:Directional Bore Greater Than 1500':Directional Bore greater than 1500': 3 HDPE conduits up to 2" (on one reel)	\$ 156,997.00	\$ 19,624.63	Cost divided via pro-rata
UGB-31280:UGB:Handhole / Manhole Excavation & Placement:Place New - 30"x60"x36" - Non-concrete Manhole / Handhole	\$ 9,072.00	\$ 2,268.00	Costs divided 4 ways.
UGB-31360:UGB:Handhole / Manhole Excavation & Placement:Remove Existing - 24"x36"x36" - Non-concrete Manhole / Handhole	\$ 1,158.00	\$ 289.50	Costs divided 4 ways.
UGB-31640:UGB:Pits:Excavate Small Pit: 6'x4'x5'	\$ 1,670.00	\$ 208.75	Cost divided via pro-rata
MAT-90070:MAT:Conduit :Conduit: 1 1/4" HDPE SDR-11	\$ 34,374.08	\$ 4,296.76	Cost divided via pro-rata
MAT-90980:MAT:Handhole / Manhole:Tier 15 30"x60"x36" - With knock-outs and racking - Including Cover	\$ 12,750.00	\$ 3,187.50	Costs divided 4 ways.
Total	\$ 317,242.83	\$ 42,527.85	
Fort Bend County Reimbursement (50%)	\$ 158,621.42	\$ 21,263.93	

Exhibit C

Schedule of Work and Estimated Dates of Completion

(As Shown Below)

Construction Schedule:

Begin Construction: April 2, 2018
Complete Construction: May 31, 2018

 9/17/18
Date
Fort Bend County

WC 4/5/18
Initial Date
Zayo Group, LLC